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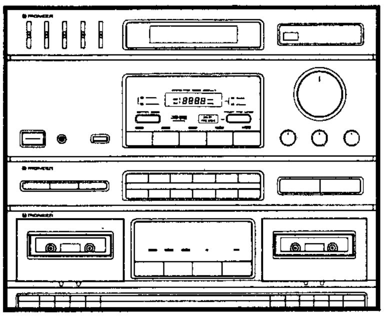
Service Manual

PIONEER
The Art of Entertainment



ORDER NO.
ARP2513

STEREO DOUBLE CASSETTE DECK RECEIVER

RX-750
RX-750S
RX-751
RX-550
RX-551

RX-750, RX-750S, RX-751, RX-550 AND RX-551 HAVE THE FOLLOWING :

Type	Model					Power Requirement	Remarks
	RX-750	RX-750S	RX-751	RX-550	RX-551		
KUC	○	○	—	○	—	AC120V only	
KUC/CA	—	○	—	○	—	AC120V only	
KU	—	—	○	—	○	AC120V only	

- This manual is applicable to the following : RX-750/KUC ; RX-750S/KUC and KUC/CA ; RX-751/KU ; RX-550/KUC and KUC/CA ; RX-551/KU.
- For the following : RX-750S/KUC and KUC/CA ; RX-751/KU ; RX-550/KUC and KUC/CA ; RX-551/KU, refer to pages 71-75.

CONTENTS

1. SAFETY INFORMATION 2
2. EXPLODED VIEWS AND PARTS LIST 3
3. PACKING 9
4. BLOCK DIAGRAM 9
5. SCHEMATIC DIAGRAMS AND PCB CONNECTION DIAGRAMS 10
6. PCB PARTS LIST 56
7. ADJUSTMENTS 64
8. IC INFORMATION 69
9. FOR RX-750S/KUC, KUC/CA, RX-751/KU, RX-550/KUC, KUC/CA AND RX-551/KU TYPES ... 71
10. REMOTE CONTROL UNIT (CU-AV008) 76
11. PANEL FACILITIES 81
12. SPECIFICATIONS 83

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378

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This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).
When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

1. SAFETY INFORMATION

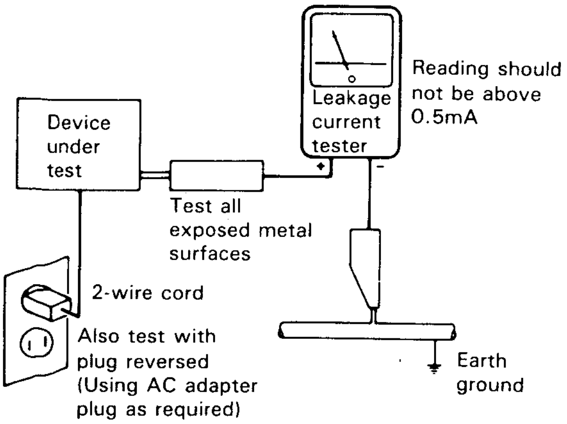
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.


Leakage current tester
Reading should not be above 0.5mA
Device under test
+
-
Test all exposed metal surfaces
2-wire cord
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

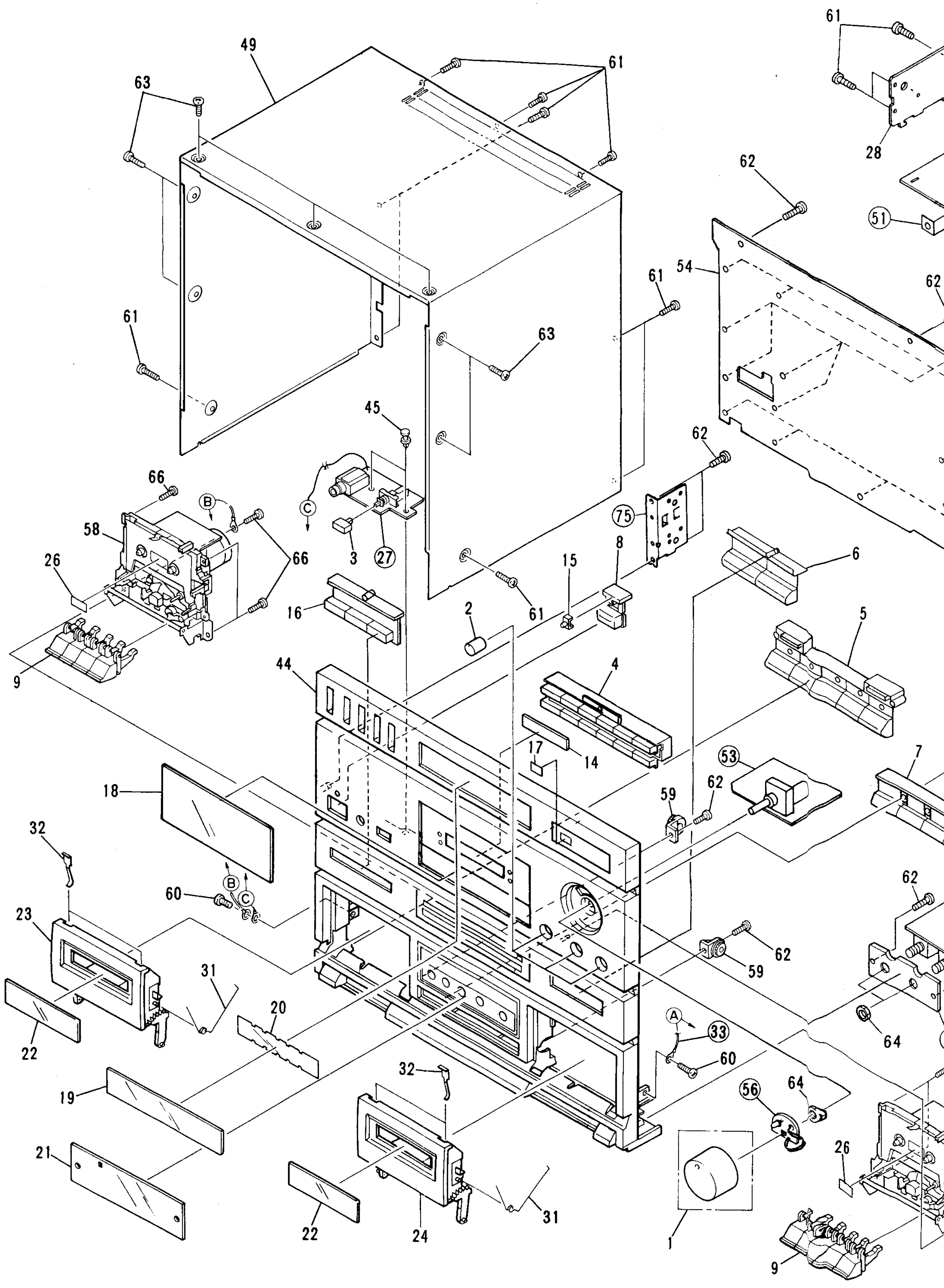
NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

2.1 EXTERIOR

Parts list of Exterior

Mark	No.	Description	Parts No.
	1	ROTARY KNOB ASSY (VOLUME)	AAB1142
	2	ROTARY KNOB	AAB1154
	3	PUSH BUTTON (PLS)	AAD2256
	4	STATION BUTTON (PLS)	AAD2258
	5	FUNCTION BUTTON (PLS)	AAD2259
	6	TUNING BUTTON (PLS)	AAD2260
	7	COPY BUTTON (PLS)	AAD2261
	8	KNOB (PLASTIC)	AAD1998
	9	DECK BUTTON	AAE1159
	10	·····················	
	11	·····················	
	12	·····················	
	13	·····················	
	14	FL FILTER	AAK1227
	15	LENS (POWER IND)	AAK1800
	16	BAND BUTTON (PLS)	AAD2257
	17	FILTER	AAK1900
	18	AMP PANEL	AAK2288
	19	DECORATIVE PLATE B (GEQ)	AAK2136
	20	DECORATIVE PLATE A (GEQ)	AAK2297
	21	DECK PANEL	AAK2289
	22	DOOR PANEL	AAK2138
	23	DOOR L	AAN1337
	24	DOOR R	AAN1338
◉	25	POWER ASSEMBLY	AWZ4080
	26	LABEL (PAPER)	AAX1301
NSP	27	HEADPHONE ASSEMBLY	AWZ4130
NSP	28	HEAT SINK	ANH1373
	29	SCREW	ABA1021
	30	SCREW	ABA1037
	31	DOOR SPRING	ABH1043
	32	KEEP PLATE	ABK1011
NSP	33	GROUND LEAD	ADB1001
⚠	34	AC POWER CORD	ADG1058
NSP	35	SP OUT ASSEMBLY	AWZ2290
	36	LEG ASSEMBLY	AEC-784
	37	RIVET	AEC-525
NSP	38	PC SUPPORT	AEC1118
NSP	39	BOSS	AEC1158
	40	SHEET	AEE1014
	41	CORD STOPPER	AEP-113
NSP	42	CONNECT ASSEMBLY	AWZ2291
⚠	43	AC SOCKET 1-P	AKP1015
	44	FRONT PANEL	AMB1977
	45	RIVET (PLASTIC)	AMR1066
NSP	46	CHASSIS	ANA1088
NSP	47	REAR PANEL	ANC1880
◉	48	INPUT ASSEMBLY	AWZ2292
	49	BONNET CASE	ANE1191
NSP	50	BOTTOM PLATE	ANF1049
NSP	51	PCB HEAT SINK HOLDER	ANG1360
NSP	52	HEAT SINK	ANH1205
NSP	53	MAIN VOL ASSEMBLY	AWZ4056
◉	54	DISPLAY ASSEMBLY	AWZ4050
NSP	55	DECK IND ASSEMBLY	AWZ4052
NSP	56	VOL IND ASSEMBLY	AWZ4053
	57	MECHA UNIT (DECK II)	AWY1047
	58	CASSETTE MECHA UNIT (DECK I)	AWY1115
	59	DAMPER ASSY	AXA1008
	60	SCREW	BBZ30P080FMC
	61	SCREW	BBZ30P080FZK
	62	SCREW	BPZ26P080FMC
	63	SCREW	BPZ30P100FZK
	64	NUT	NK90FUC
NSP	65	HOLDER	ANG1653
	66	SCREW	VPZ30P080FMC
⚠	67	FUSE (6.3A/125V, FU1)	AEK-309
⚠	68	FUSE (5A/125V, FU3, FU4)	AEK-308
NSP	69	VOL HOLDER	ANG1652
⚠	70	REGULATOR IC (IC701)	MC7812CT
⚠	71	REGULATOR IC (IC702)	MC7812CT
⚠	72	TRANSISTOR (Q1, Q2)	2SC3281
⚠	73	TRANSISTOR (Q3, Q4)	2SA1302
NSP	74	HEAT SINK HOLDER B	ANG1338
NSP	75	HEAT SINK HOLDER A	ANG1418
⚠	76	POWER TRANSFORMER (T1)	ATS1415
	77	·····················	
	78	NYLON RIVET	AEC-510
NSP	79	PCB HOLDER	ANG1662
NSP	80	REAR CENTER VOL ASSEMBLY	AWZ4055
◉	81	SURROUND AMP ASSEMBLY	AWZ4057



, when replacing,

available.

Parts No.

AKP1015
AMB1977
AMR1066

ANA1088
ANC1880
AWZ2292
ANE1191
ANF1049

ANG1360
ANH1205
AWZ4056
AWZ4050
AWZ4052

AWZ4053
AWY1047
AWY1115

AXA1008
BBZ30P080FMC

BBZ30P080FZK
BPZ26P080FMC
BPZ30P100FZK
NK90FUC
ANG1653

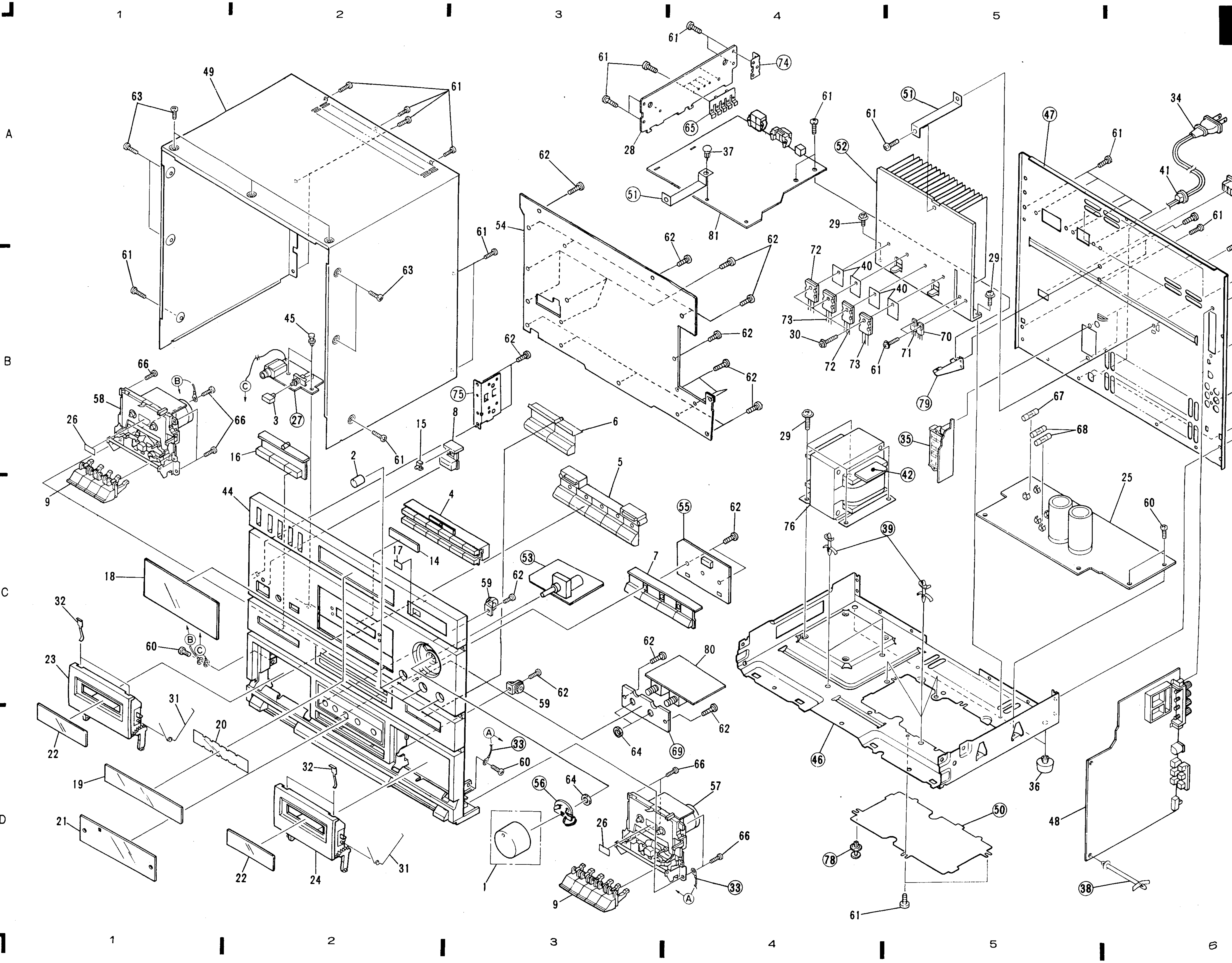
VPZ30P080FMC
AEK-309
AEK-308
ANG1652
MC7812CT

MC7812CT
2SC3281
2SA1302
ANG1338
ANG1418

ATS1415

AEC-510
ANG1662
AWZ4055

AWZ4057



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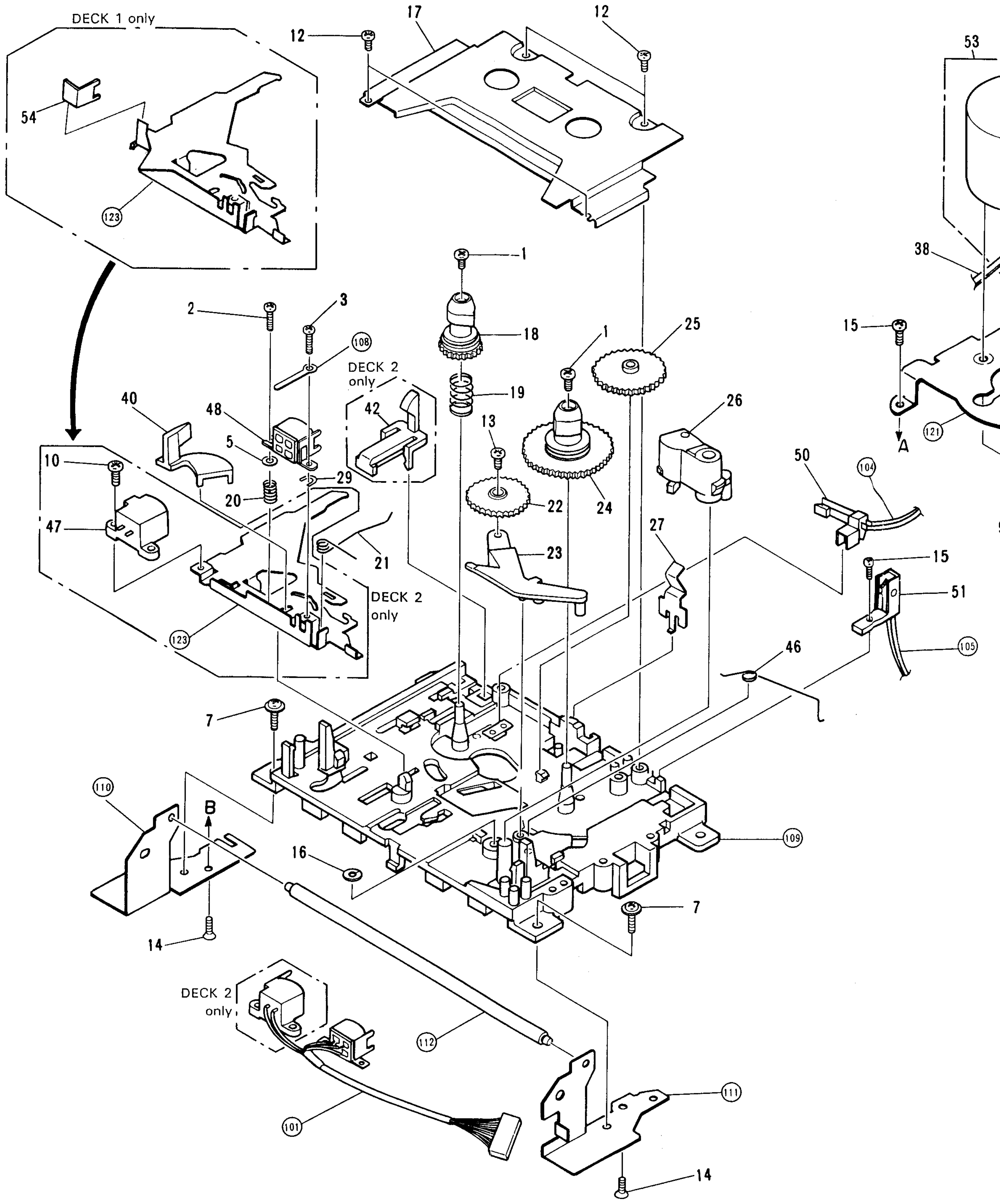
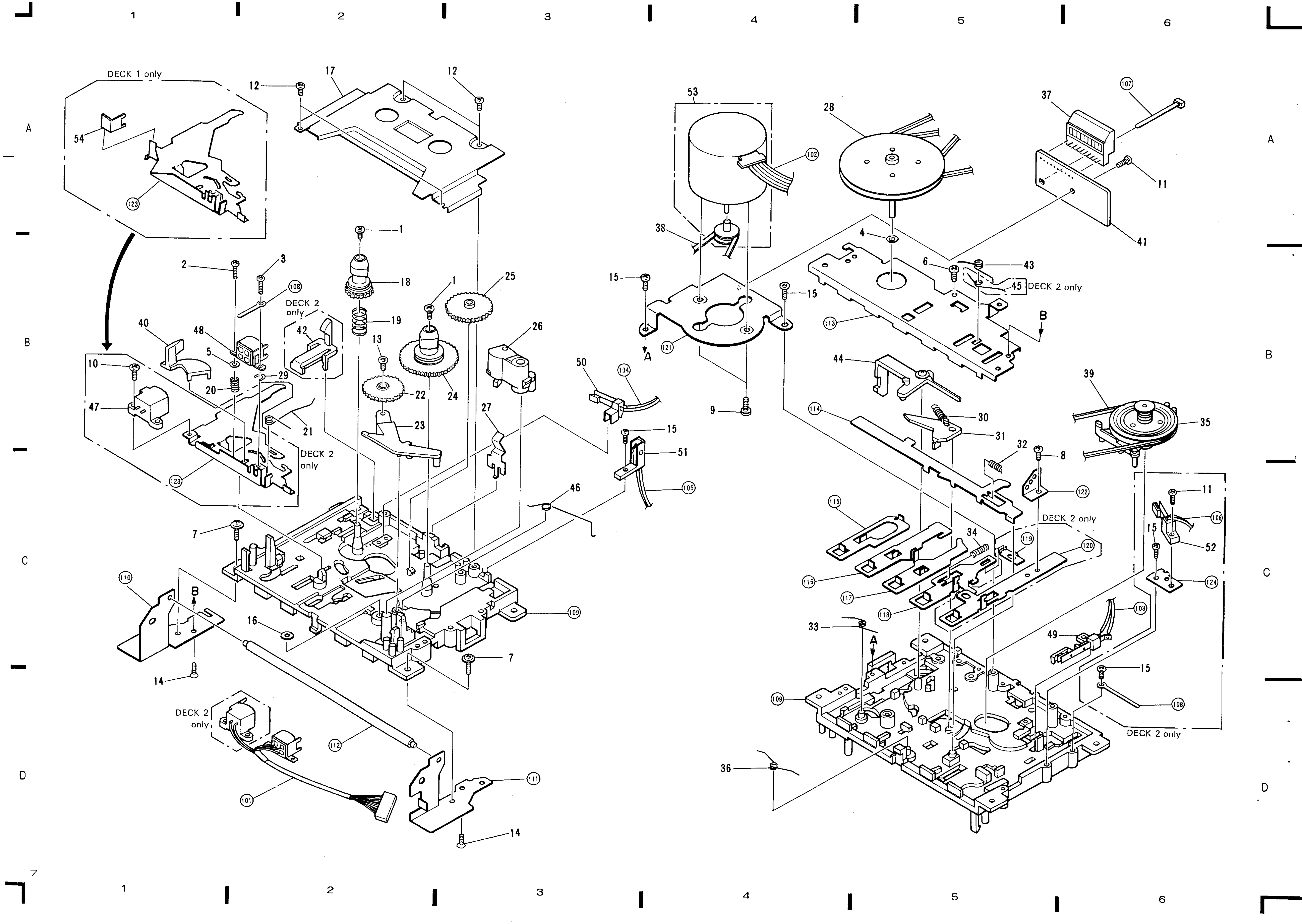
2.2 CASSETTE MECHA UNIT (DECK 1)(AWY1115) AND MECHA UNIT (DECK 2)(AWY1047)

Parts list of Cassette mecha unit (DECK 1) and mecha unit (DECK 2)

Mark	No.	Description	Parts No.
	1	BUSH	AZB1165
	2	SCREW	AZB1166
	3	SCREW	AZB1167
	4	WASHER	AZB1168
	5	WASHER	AZB1169
	6	BUSH	AZB1170
	7	SCREW	AZB1171
	8	SCREW (DECK 2 only)	AZB1172
	9	SCREW	AZB1173
	10	SCREW (DECK 2 only)	AZB1175
	11	SCREW	AZB1176
	12	SCREW	AZB1183
	13	BUSH	AZB1184
	14	SCREW	AZB1190
	15	SCREW	AZB1191
	16	WASHER	AZB1194
	17	MECHANISM COVER (DECK 2)	AZN1479
		MECHANISM COVER (DECK 1)	AZN1902
	18	S REEL	AZN1480
	19	C SPRING	AZN1481
	20	AZIMUTH C SPRING	AZN1482
	21	PINCH ARM SPRING	AZN1483
	22	IDLER GEAR	AZN1484
	23	IDLER ARM	AZN1485
	24	T REEL ASSY	AZN1486
	25	F GEAR	AZN1487
	26	PINCH ARM ASSY	AZN1488
	27	CASSETTE SPRING	AZN1489
	28	FW ASSY W	AZN1491
	29	SPACER C	AZN1494
	30	T SPRING	AZN1498
	31	S ARM	AZN1499
	32	C SPRING	AZN1500
	33	SPRING	AZN1501
	34	C SPRING	AZN1502
	35	POWER ARM ASSY	AZN1503
	36	SPRING	AZN1504
	37	CONNECTOR (DECK 2)	AZN1505
		CONNECTOR (DECK 1)	AZN1573
	38	BELT	AZN1506
	39	BELT	AZN1507
	40	TAPE SENSOR	AZN1508
	41	MAIN PCB	AZN1571
	42	INTERLOCK ARM (DECK 2 only)	AZN1572
	43	SPRING	AZN1752
	44	EJECT ARM	AZN1753
	45	REC LEVER SPRING (DECK 2 only)	AZN1903
	46	EARTH SPRING	AZN1922
	47	E HEAD (DECK 2 only)	AZP1025
	48	R/P HEAD	AZP1036
	49	LEAF SWITCH (MOTOR)	AZS1059
	50	LEAF SWITCH (MUTE)	AZS1060
	51	LEAF SWITCH (CrO2)	AZS1061
	52	LEAD SWITCH (REC) (DECK 2 only)	AZS1062
	53	MOTOR ASSY	AZX1021
	54	TAPE GUIDE (DECK 1)	AZN1900
NSP	101	HEAD CONNECTOR ASSY (DECK 2)	AZD1026
		HEAD CONNECTOR ASSY (DECK 1)	AZD1032
NSP	102	JUMPER WIRE	AZD1027
NSP	103	LEAD WIRE	AZD1028
NSP	104	LEAD WIRE	AZD1029
NSP	105	LEAD WIRE	AZD1030
NSP	106	LEAD WIRE (DECK 2 only)	AZD1031
NSP	107	NYLON BAND	AZE1064
NSP	108	LUG PLATE	AZE1065
NSP	109	CHASSIS ASSY	AZN1904
NSP	110	HOLDER BUTTON	AZN1905
NSP	111	HOLDER BUTTON R	AZN1906
NSP	112	SHAFT	AZN1907
NSP	113	BACK PLATE	AZN1908
NSP	114	FUNCTION LEVER	AZN1909
NSP	115	SE LEVER	AZN1910
NSP	116	FF LEVER	AZN1911
NSP	117	REW LEVER	AZN1912
NSP	118	PLAY LEVER (DECK 2)	AZN1913
		PLAY LEVER (DECK 1)	AZN1920
NSP	119	REC STOP LEVER (DECK 2 only)	AZN1914
NSP	120	REC LEVER (DECK 2 only)	AZN1915
NSP	121	MOTOR BRACKET	AZN1916
NSP	122	RSW LEVER (DECK 2 only)	AZN1917
NSP	123	HEAD BASE B (DECK 2)	AZN1918
		HEAD BASE B (DECK 1)	AZN1921
NSP	124	SW PLATE (DECK 2 only)	AZN1919

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DECK 1 only
DECK 2 only
DECK 2 only
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DECK 2 only
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DECK 2 only
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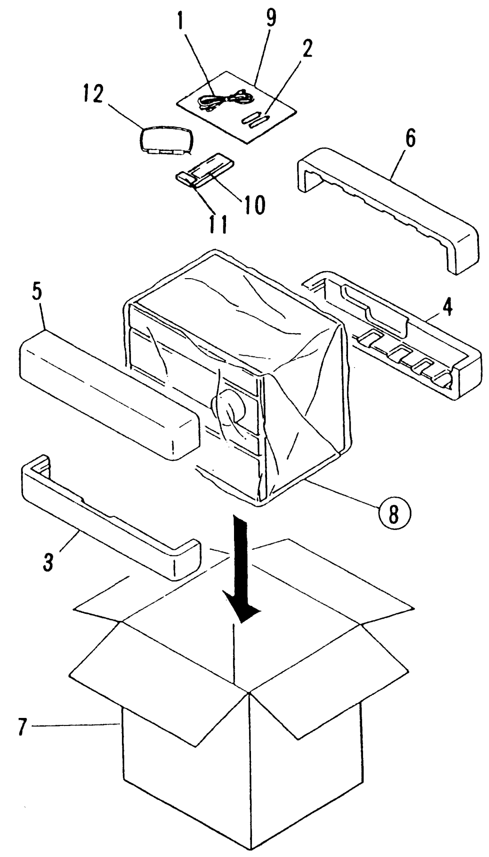
DECK 2 only

3. PACKING

Parts list of Packing

Mark	No.	Description	Parts No.
	1	FM ANTENNA	ADH1008
NSP	2	BATTERY (R03, AAA)	AEX-021
	3	FRONT PAD A	AHA1525
	4	REAR PAD A	AHA1526
	5	FRONT PAD B	AHA1527
	6	REAR PAD B	AHA1528
	7	PACKING CASE	AHD2276
NSP	8	SHEET	AHG1125
	9	OPE. INSTRUCTIONS (ENGLISH)	ARB1386
	10	REMOTE CONT'L UNIT (CU-RX013)	AXD1265
	11	BATTERY COVER	AZN2189
	12	LOOP ANTENNA	ATB1006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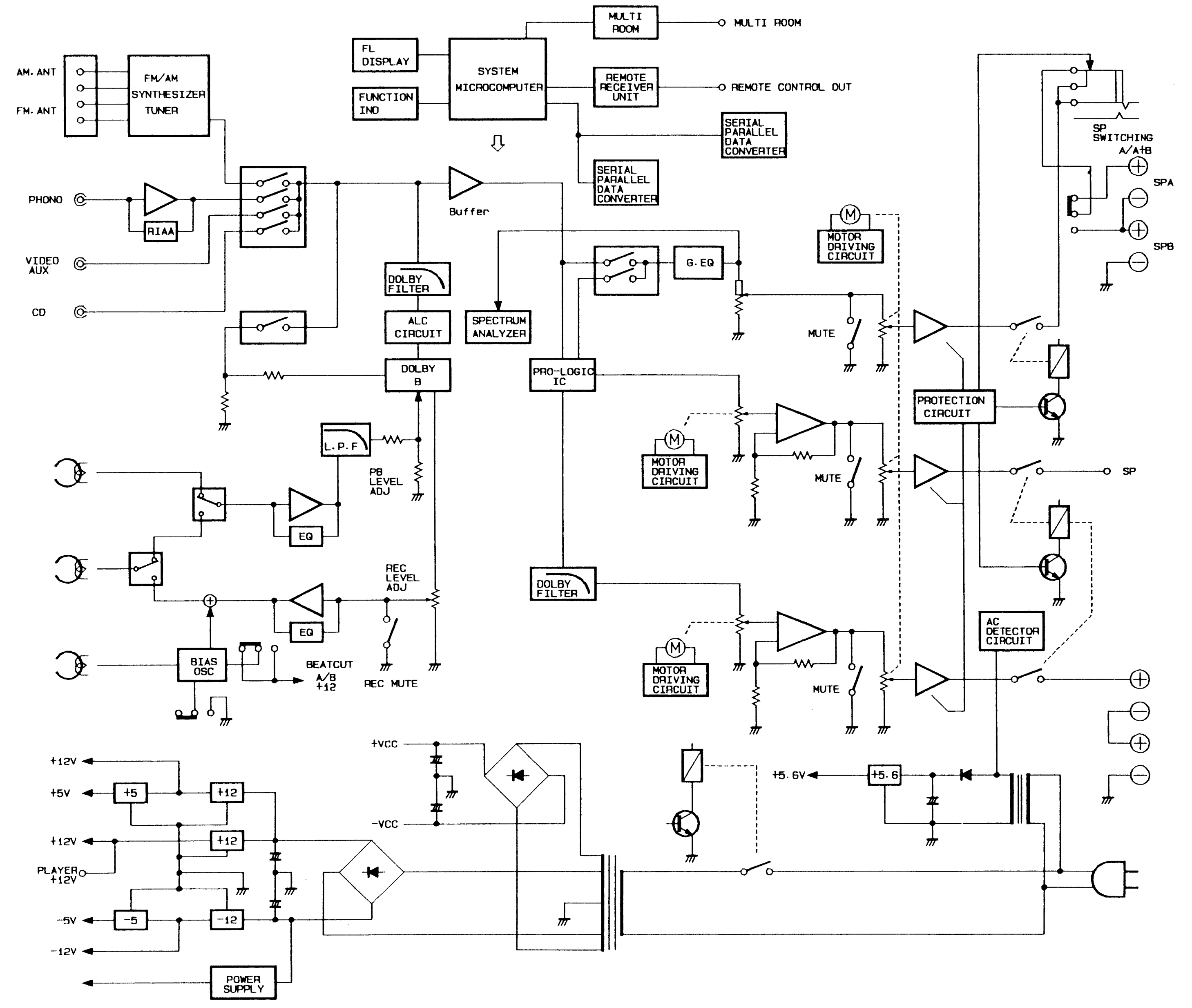
4. BLOCK DIAGRAM


AM. ANT
FM. ANT
FM/AM SYNTHESIZER TUNER
PHONO
RIAA
VIDEO AUX
CD
FL DISPLAY
FUNCTION IND
SYSTEM MICROCOMPUTER
MULTI ROOM
MULTI ROOM
REMOTE RECEIVER UNIT
REMOTE CONTROL OUT
SERIAL PARALLEL DATA CONVERTER
SERIAL PARALLEL DATA CONVERTER
Buffer
DOLBY FILTER
ALC CIRCUIT
SPECTRUM ANALYZER
DOLBY B
PRO-LOGIC IC
G. EQ
MOTOR DRIVING CIRCUIT
MUTE
L.P.F
PB LEVEL ADJ
EQ
EQ
REC LEVEL ADJ
DOLBY FILTER
BIAS OSC
BEATCUT A/B +12
REC MUTE
PROTECTION CIRCUIT
AC DETECTOR CIRCUIT
SP SWITCHING A/A+B
SPA
SPB
SP
+12V
+5V
+5
+12
+12V
+12
PLAYER +12V
-5V
-5
-12
-12V
POWER SUPPLY
+VCC
-VCC
+5.6V
+5.6

5. SCHEMATIC DIAGRA

5.1 OVERALL SCHEMATIC DIA

1. RESISTORS:
   Indicated in Ω, ¼W, ⅛W, ±5% tolerance unless ot
   M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ±10% (M); ±
2. CAPACITORS:
   Indicated in capacity (μF)/voltage (V) unless othe
   Indication without voltage is 50V except elec
3. VOLTAGE, CURRENT:
   ▭ : Signal voltage at (110W + 110W, 8Ω)
   ▭ : DC voltage (V) at no input signal
   Value in ( ) is DC voltage at rated pow
   ⇦ mA : DC current at no input signal
   mV : Signal voltage at FM 1kHz ±75kHz DE
4. OTHERS:
   ➡ : Signal route.
   ⊘ : Adjusting point.
   The ⚠ mark found on some component parts
   portance of the safety factor of the part. Therefo
   be sure to use parts of identical designation.
   ※ marked capacitors and resistors have parts nu
   ▼ (RED) : Measurement point
   This is the basic schematic diagram, but the actu
   due to improvements in design.
5. SWITCHES (The underline indicates the switch p

DISPLAY assembly

S51	MEMORY
S52	BAND
S53	11
S54	6
S55	FM MONO
S56	1
S57	10
S58	5
S59	POWER
S60	2
S61	9
S62	4
S63	VIDEO/AUX
S64	F DOWN
S65	8
S66	3
S67	F UP
S68	7
S69	12
S70	TAPE
S71	TU
S72	PH
S73	CD
S78	PR
S79	NC
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DECK IND asseml

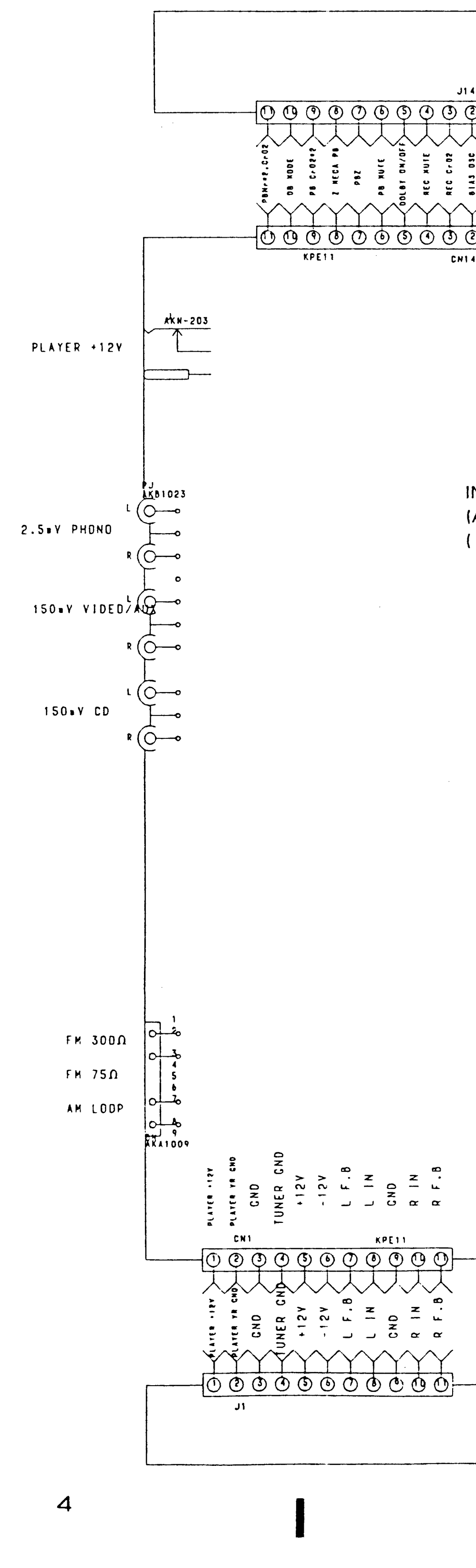
S74	DO
S75	PA
S76	NC
S77	HI

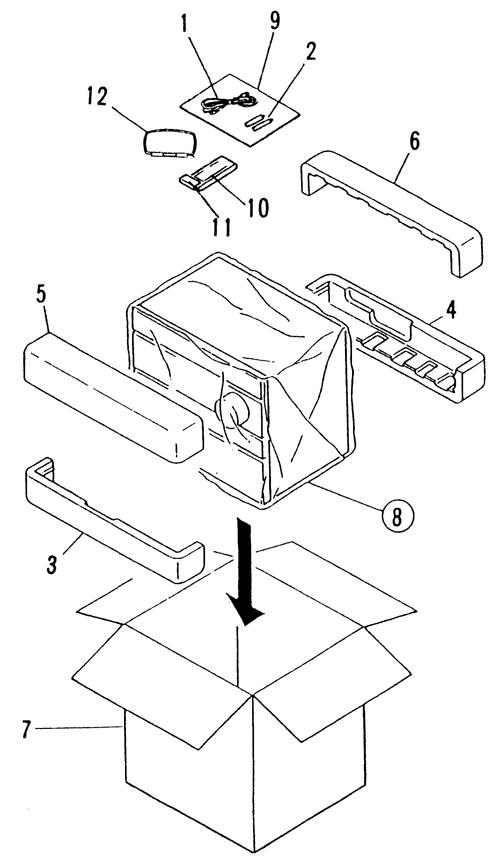
INPUT assembly

S401	BE A(

HEADPHONE ass

S601	A/


J14
KPE11
CN14
AKN-203
PLAYER +12V
PJ
AKB1023
2.5mV PHONO
150mV VIDEO/AUX
150mV CD
FM 300Ω
FM 75Ω
AM LOOP
AKA1009
CN1
KPE11
J1
PLAYER +12V
GND
TUNER GND
+12V
-12V
L F.B
L IN
GND
R IN
R F.B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5. SCHEMATIC DIAGRAMS AND PCB CONNECTION DIAGRAMS

5.1 OVERALL SCHEMATIC DIAGRAM

1. RESISTORS:
   Indicated in Ω, ¼W, ⅛W, ±5% tolerance unless otherwise noted k : kΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ±10% (M); ±20% tolerance

2. CAPACITORS:
   Indicated in capacity (μF)/voltage (V) unless otherwise noted p : pF
   Indication without voltage is 50V except electrolytic capacitor.

3. VOLTAGE, CURRENT:
   ☐ : Signal voltage at (110W + 110W, 8Ω) output (1kHz)
   ☐ : DC voltage (V) at no input signal
   Value in ( ) is DC voltage at rated power.
   ⇦ mA : DC current at no input signal
   mV : Signal voltage at FM 1kHz ±75kHz DEV.

4. OTHERS:
   ➡ : Signal route.
   ⊘ : Adjusting point.
   The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
   ※ marked capacitors and resistors have parts numbers.
   ▼ (RED) : Measurement point
   This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

5. SWITCHES (The underline indicates the switch position)

DISPLAY assembly

S51	MEMORY	S71	TUNER
S52	BAND	S72	PHONO
S53	11	S73	CD
S54	6	S78	PRO LOGIC
S55	FM MONO	S79	NORMAL/PHANTOM (RX−750, RX−750S, RX−751 ONLY)
S56	1		
S57	10		
S58	5		
S59	POWER		
S60	2		
S61	9		
S62	4		
S63	VIDEO/AUX		
S64	F DOWN		
S65	8		
S66	3		
S67	F UP		
S68	7		
S69	12		
S70	TAPE		

DECK IND assembly

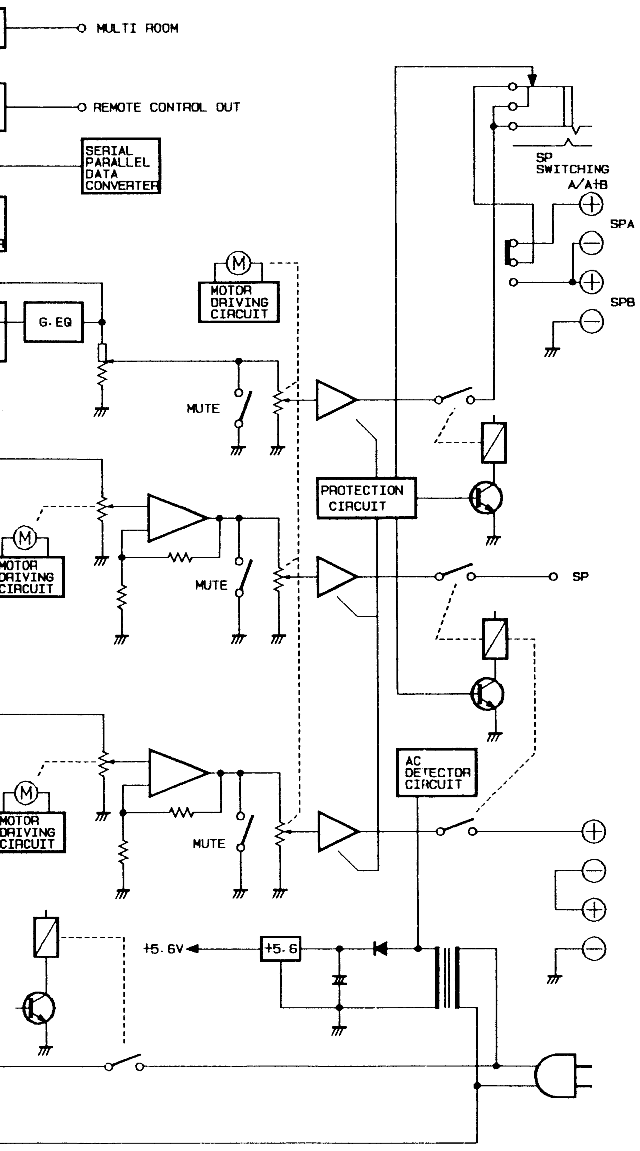
S74	DOLBY
S75	PAUSE
S76	NORMAL COPY
S77	HIGH SPEED COPY

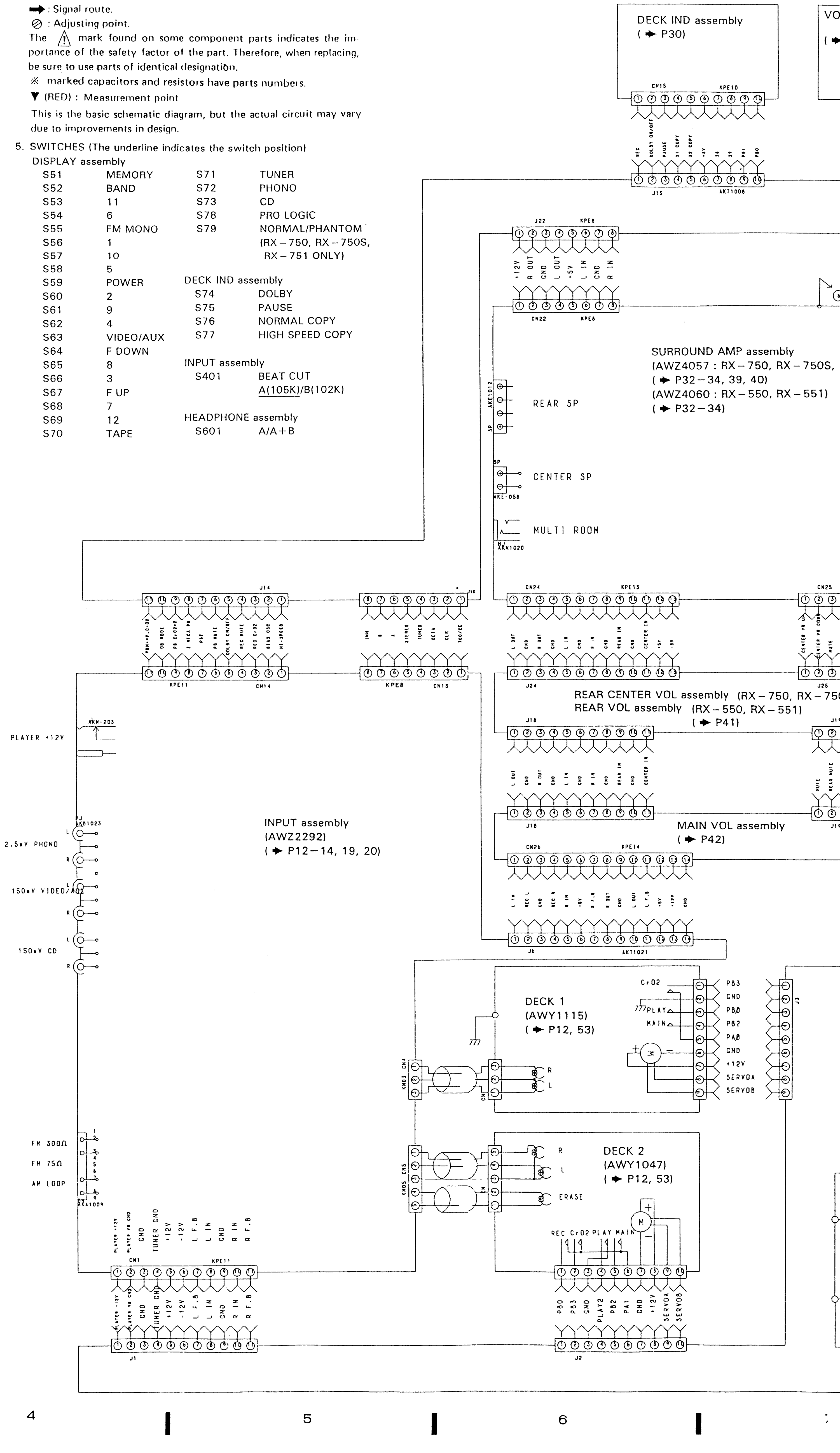
INPUT assembly

S401	BEAT CUT A(105K)/B(102K)

HEADPHONE assembly

S601	A/A+B


MULTI ROOM
REMOTE CONTROL OUT
SERIAL PARALLEL DATA CONVERTER
SP SWITCHING A/A+B
SPA
SPB
MOTOR DRIVING CIRCUIT
G.EQ
MUTE
PROTECTION CIRCUIT
SP
AC DETECTOR CIRCUIT
+5.6V
+5.6


DECK IND assembly
(➔ P30)
VO
CN15
KPE10
J15
AKT1006
J22
KPE8
CN22
SURROUND AMP assembly
(AWZ4057 : RX−750, RX−750S,
(➔ P32−34, 39, 40)
(AWZ4060 : RX−550, RX−551)
(➔ P32−34)
REAR SP
CENTER SP
MULTI ROOM
J14
KPE11
CN14
KPE8
CN13
CN24
KPE13
J24
CN25
J25
REAR CENTER VOL assembly (RX−750, RX−75
REAR VOL assembly (RX−550, RX−551)
(➔ P41)
J18
MAIN VOL assembly
(➔ P42)
CN26
KPE14
J6
AKT1021
PLAYER +12V
INPUT assembly
(AWZ2292)
(➔ P12−14, 19, 20)
2.5mV PHONO
150mV VIDEO/AUX
150mV CD
FM 300Ω
FM 75Ω
AM LOOP
DECK 1
(AWY1115)
(➔ P12, 53)
DECK 2
(AWY1047)
(➔ P12, 53)
ERASE
CrO2
PLAY
MAIN
PB3
GND
PBØ
PB2
PAØ
GND
+12V
SERVOA
SERVOB
REC CrO2 PLAY MAIN
CN1
KPE11
J1
J2

MS AND PCB CONNECTION DIAGRAMS

GRAM

erwise noted k : kΩ,
0% tolerance

wise noted p : pF
rolytic capacitor.

utput (1kHz)

r.

/.

indicates the im-
e, when replacing,

mbers.

l circuit may vary

sition)

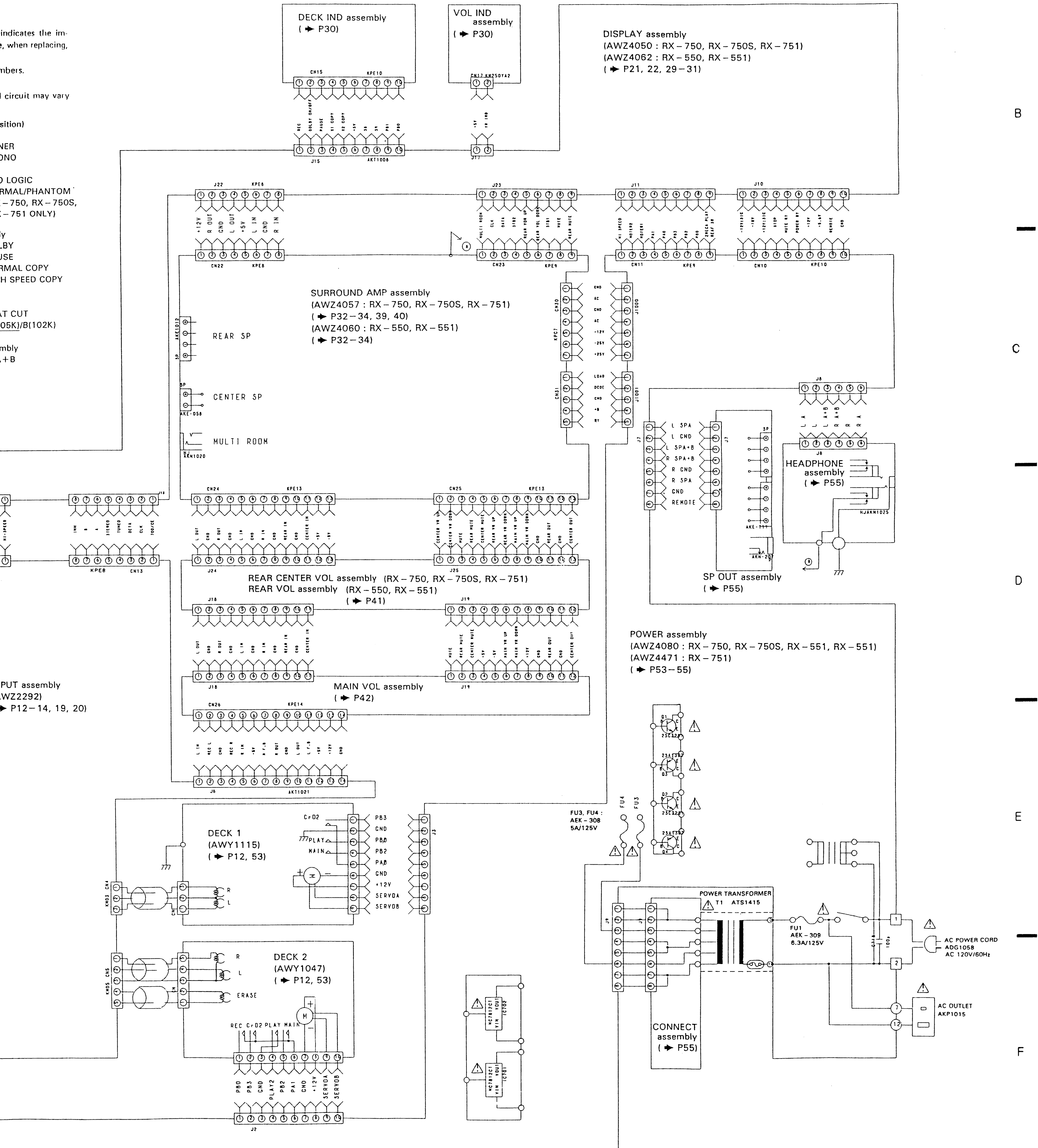
NER
DNO

D LOGIC
RMAL/PHANTOM
(–750, RX–750S,
(–751 ONLY)

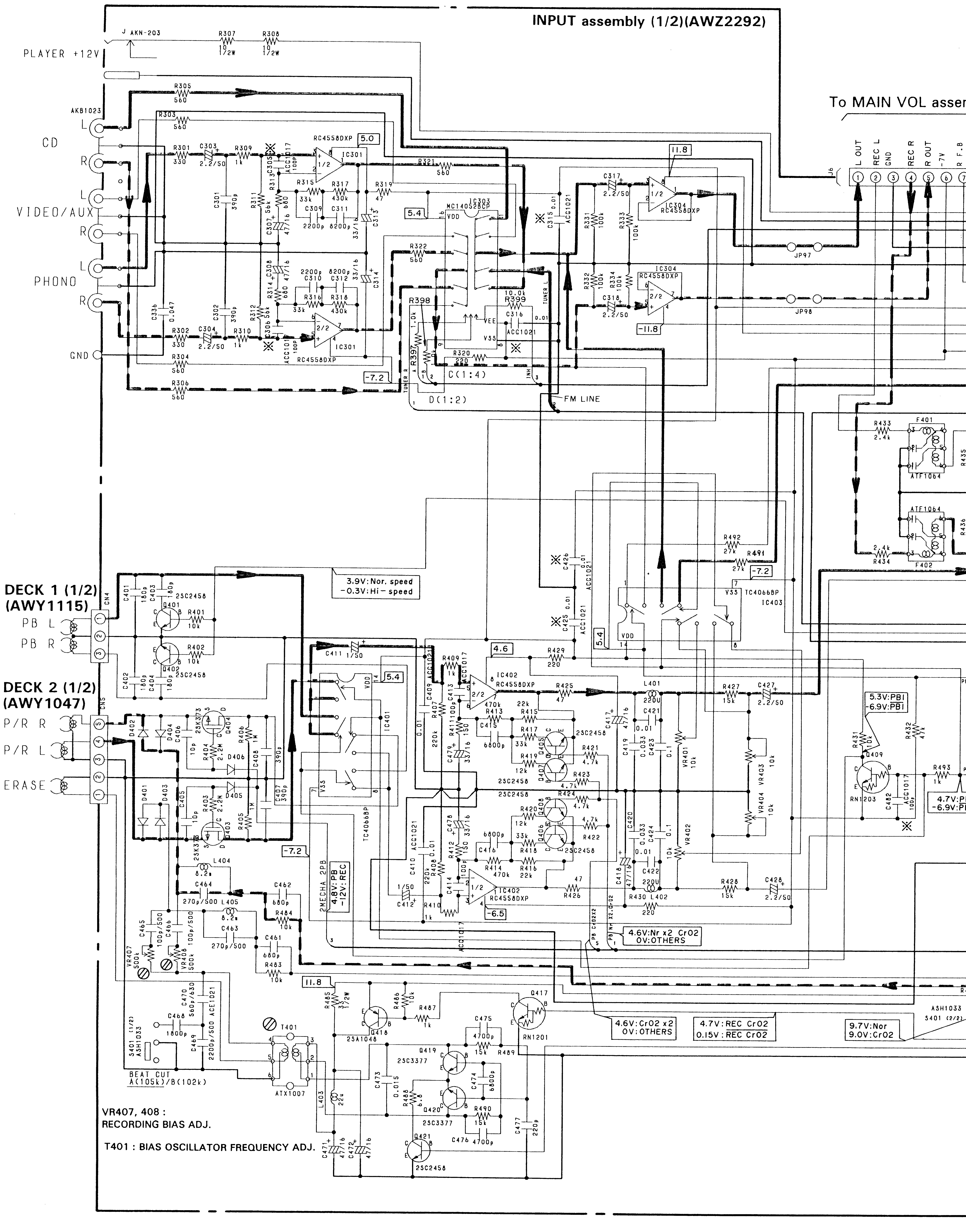
ly
LBY
USE
RMAL COPY
H SPEED COPY

AT CUT
05K)/B(102K)

mbly
A+B

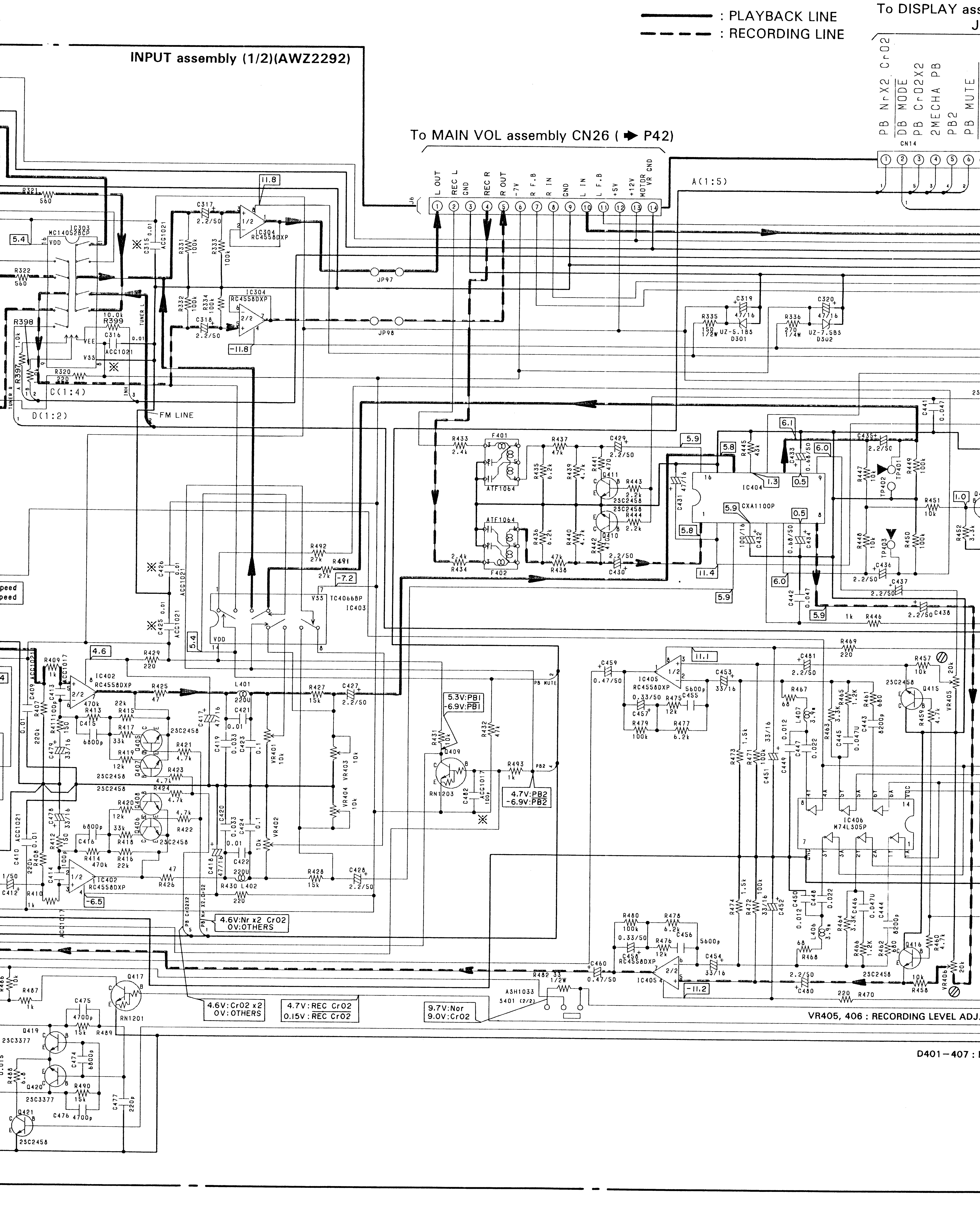

DECK IND assembly
(➔ P30)
CN15
KPE10
VOL IND assembly
(➔ P30)
CN17 KH250YA2
DISPLAY assembly
(AWZ4050 : RX–750, RX–750S, RX–751)
(AWZ4062 : RX–550, RX–551)
(➔ P21, 22, 29–31)
REC
DOLBY ON/OFF
PAUSE
X1 COPY
X2 COPY
+5V
38
39
PB1
PBO
+5V
VR IND
J15
AKT1006
J17
J22
KPE8
+12V
R OUT
GND
L OUT
+5V
L IN
GND
R IN
CN22
KPE8
J23
MULTI ROOM
CLK
DATA
STB2
REAR VOR UP
REAR VOL DOWN
STB1
MUTE
REAR MUTE
CN23
KPE9
J11
HI SPEED
MOTER2
MOTER1
PA1
PA0
PB3
PB2
PB0
2MECA PLAY REAF SW
CN11
KPE9
J10
-12V:SIG
-18V
+12V:SIG
STOP
MUTE RY
POWER RY
+12V
+5.6V
REMOTE
GND
CN10
KPE10
SURROUND AMP assembly
(AWZ4057 : RX–750, RX–750S, RX–751)
(➔ P32–34, 39, 40)
(AWZ4060 : RX–550, RX–551)
(➔ P32–34)
CN30
KPC7
GND
AC
GND
AC
-12V
-25V
+25V
J1000
CN31
LOAD
DCDC
GND
+B
RY
J1001
AKE1012
SP
REAR SP
SP
CENTER SP
AKE-058
MULTI ROOM
AKN1020
J8
L A
L A+B
R A+B
R A
J6
HEADPHONE assembly
(➔ P55)
HJAKN1025
J7
L SPA
L GND
L SPA+B
R SPA+B
R GND
R SPA
GND
REMOTE
SP
AKE-111
AKN-201
SP OUT assembly
(➔ P55)
J13
HI-SPEED
KPE8
CN13
CN24
KPE13
CN25
KPE13
J24
J25
REAR CENTER VOL assembly (RX–750, RX–750S, RX–751)
REAR VOL assembly (RX–550, RX–551)
(➔ P41)
J18
J19
L OUT
R OUT
GND
L IN
GND
R IN
GND
REAR IN
GND
CENTER IN
+5V
-5V
CENTER VR UP
CENTER VR DOWN
MUTE
REAR MUTE
CENTER MUTE
REAR VR UP
REAR VR DOWN
MAIN VR UP
MAIN VR DOWN
+12V
GND
REAR OUT
GND
CENTER OUT
J18
J19
MAIN VOL assembly
(➔ P42)
CN26
KPE14
L IN
REC L
GND
REC R
R IN
+5V
R OUT
GND
L OUT
L F.S
+5V
-12V
GND
J6
AKT1021
PUT assembly
WZ2292)
➔ P12–14, 19, 20)
POWER assembly
(AWZ4080 : RX–750, RX–750S, RX–551, RX–551)
(AWZ4471 : RX–751)
(➔ P53–55)
Q1
2SC2238
2SA1380
Q3
Q2
2SC2238
2SA1380
Q4
FU4
FU3
FU3, FU4 :
AEK-308
5A/125V
CrO2
PLAY
MAIN
PB3
GND
PB0
PB2
PA0
GND
+12V
SERVOA
SERVOB
J3
DECK 1
(AWY1115)
(➔ P12, 53)
CN4
KHD3
R
L
DECK 2
(AWY1047)
(➔ P12, 53)
CN5
KHD5
R
L
ERASE
M
REC CrO2 PLAY MAIN
PB0
PB3
GND
PLAY2
PB2
PA1
GND
+12V
SERVOA
SERVOB
J2
MC7812CT
VIN VOUT
IC702
MC7812CT
VIN VOUT
IC701
J9
POWER TRANSFORMER
T1 ATS1415
FU1
AEK-309
6.3A/125V
AC POWER CORD
ADG1058
AC 120V/60Hz
AC OUTLET
AKP1015
CONNECT assembly
(➔ P55)

5.2 INPUT ASSEMBLY, DECK 1 (1/2) AND DECK 2 (1/2)


INPUT assembly (1/2)(AWZ2292)
To MAIN VOL asser
PLAYER +12V
J AKN-203
AKB1023
CD
VIDEO/AUX
PHONO
GND
R307 10 1/2W
R308 10 1/2W
R305 560
R303 560
R301 330
R302 330
R304 560
R306 560
RC4558DXP
IC301
IC303 MC14052BCP
IC304 RC4558DXP
5.0
11.8
-11.8
5.4
-7.2
JP97
JP98
FM LINE
TUNER L
TUNER R
C(1:4)
D(1:2)
L OUT
REC L
GND
REC R
R OUT
-7V
R F.B
J6
F401
F402
ATF1064
R433 2.4k
R434 2.4k
R492 27k
R491
IC403 TC4066BP
3.9V:Nor. speed
-0.3V:Hi- speed
DECK 1 (1/2)
(AWY1115)
PB L
PB R
CN4
Q401
Q402
2SC2458
DECK 2 (1/2)
(AWY1047)
CN5
P/R R
P/R L
ERASE
2SK373
Q403
Q404
D401
D402
D403
D404
D405
D406
IC401
TC4066BP
2MECHA 2PB
4.8V:PB
-12V:REC
IC402 RC4558DXP
4.6
-6.5
L401
L402
VR401 10k
VR402
VR403 10k
VR404 10k
R427 15k
R428 15k
C427 2.2/50
C428 2.2/50
5.3V:PBI
-6.9V:PBI
Q409
RN1203
4.7V:PB
-6.9V:PB
4.6V:Nr x2 CrO2
0V:OTHERS
4.6V:CrO2 x2
0V:OTHERS
4.7V:REC CrO2
0.15V:REC CrO2
9.7V:Nor
9.0V:CrO2
ASH1033
S401 (2/2)
L404
L405
VR407 500k
VR408 500k
S401 (1/2) ASH1033
BEAT CUT
A(105k)/B(102k)
T401
ATX1007
Q416
2SA1048
Q417
RN1201
Q419
2SC3377
Q420
2SC3377
Q421
2SC2458
L403
11.8

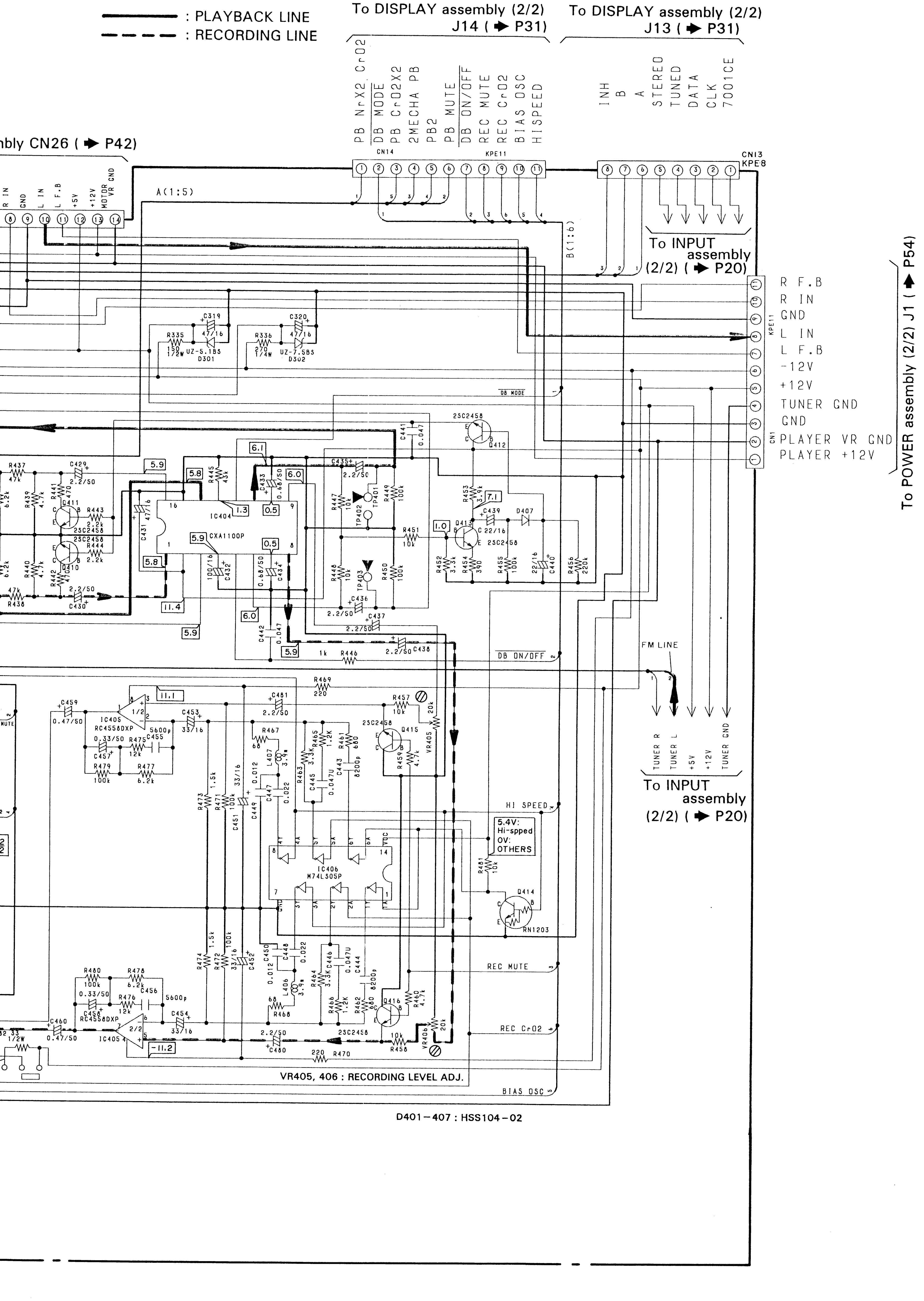
VR407, 408 :
RECORDING BIAS ADJ.

T401 : BIAS OSCILLATOR FREQUENCY ADJ.

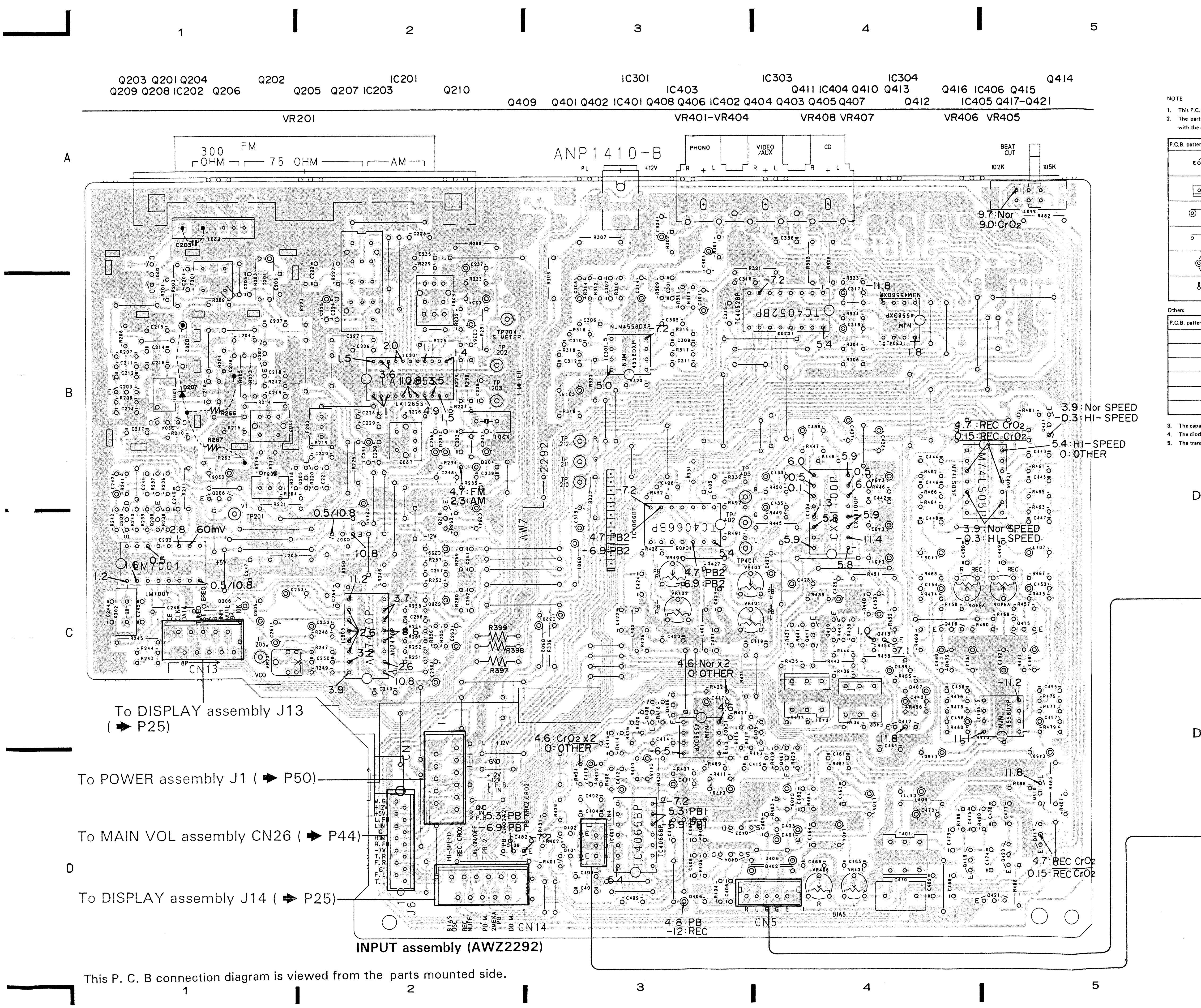

: PLAYBACK LINE
: RECORDING LINE
To DISPLAY ass
INPUT assembly (1/2)(AWZ2292)
To MAIN VOL assembly CN26 (➡ P42)
L OUT
REC L
GND
REC R
R OUT
-7V
R F.B
R IN
GND
L IN
L F.B
+5V
+12V
MOTOR VR GND
PB NrX2 CrO2
DB MODE
PB CrO2X2
2MECHA PB
PB2
PB MUTE
CN14
A(1:5)
C(1:4)
D(1:2)
FM LINE
IC303 MC14052BCP
IC304 RC4558DXP
IC403 TC4066BP
IC404 CXA1100P
IC402 RC4558DXP
IC405 RC4558DXP
IC406 M74LS05P
ATF1064
F401
F402
JP97
JP98
UZ-5.1BS D301
UZ-7.5BS D302
11.8
-11.8
5.4
4.6
-6.5
-7.2
5.9
5.8
6.1
6.0
1.3
0.5
1.0
11.4
11.1
-11.2
5.3V:PB1
-6.9V:PB1
4.7V:PB2
-6.9V:PB2
4.6V:Nr x2 CrO2
0V:OTHERS
4.6V:CrO2 x2
0V:OTHERS
4.7V:REC CrO2
0.15V:REC CrO2
9.7V:Nor
9.0V:CrO2
ASH1033
S401 (2/2)
RN1203
RN1201
2SC2458
2SC3377
Q409
Q410
Q411
Q415
Q416
Q417
Q419
Q420
Q421
VR401
VR402
VR403
VR404
VR405
VR406
TP401
TP402
TP403
L401
L402
L406
L407
peed
peed

VR405, 406 : RECORDING LEVEL ADJ.

D401−407 : I


: PLAYBACK LINE
: RECORDING LINE
To DISPLAY assembly (2/2) J14 (➧ P31)
To DISPLAY assembly (2/2) J13 (➧ P31)
PB NrX2 CrO2
DB MODE
PB CrO2X2
2MECHA PB
PB2
PB MUTE
DB ON/OFF
REC MUTE
REC CrO2
BIAS OSC
HISPEED
INH
B
A
STEREO
TUNED
DATA
CLK
7001CE
CN14
KPE11
CN13
KPE8
mbly CN26 (➧ P42)
R IN
GND
L IN
L F.B
+5V
+12V
MOTOR VR GND
A(1:5)
B(1:6)
To INPUT assembly (2/2) (➧ P20)
R F.B
R IN
GND
L IN
L F.B
-12V
+12V
TUNER GND
GND
PLAYER VR GND
PLAYER +12V
CN1
To POWER assembly (2/2) J1 (➧ P54)
DB MODE
R335 150 1/2W
C319 47/16
UZ-5.1BS D301
R336 270 1/4W
C320 47/16
UZ-7.5BS D302
2SC2458
Q412
C441 0.047
R437 47k
C429 2.2/50
R441 470
R439 4.7k
Q411
R443 2.2k
2SC2458
R444 2.2k
Q410
R440 4.7k
R442 470
R438 47k
C430 2.2/50
5.9
5.8
R445 43k
C431 47/16
IC404
CXA1100P
1.3
0.5
6.1
C433 0.68/50
6.0
C435 2.2/50
R447 10k
TP401
TP402
R449 100k
R451 10k
5.9
5.8
C432 100/16
C434 0.68/50
11.4
5.9
6.0
C442 0.047
R448 10k
TP403
R450 100k
C436 2.2/50
C437 2.2/50
C438 2.2/50
1k R446
5.9
R453 3.9k
7.1
C439 22/16
D407
1.0
Q413
2SC2458
R452 3.3k
R454 390
R455 100k
C440 22/16
R456 220k
DB ON/OFF
FM LINE
C459 0.47/50
IC405 RC4558DXP
1/2
11.1
C453 33/16
5600p
C455
C457 0.33/50
R475 12k
R479 100k
R477 6.2k
C481 2.2/50
R469 220
R457 10k
20k
VR405
Q415
2SC2458
R459 4.7k
R467 68
L407 3.9m
R465 1.2k
R463 3.3k
R461 680
C445 0.047U
C443 8200p
C447 0.022
C449 0.012
R473 1.5k
R471 100k
C451 33/16
TUNER R
TUNER L
+5V
+12V
TUNER GND
HI SPEED
5.4V: Hi-spped
0V: OTHERS
R481 10k
Q414
RN1203
IC406
M74LS05P
REC MUTE
R474 1.5k
R472 100k
C452 33/16
C450 0.012
C448 0.022
L406 3.9m
R464 3.3k
C446 0.047U
C444 8200p
R466 1.2k
R462 680
R468 68
R480 100k
R478 6.2k
0.33/50 C458
R476 12k
C456
5600p
RC4558DXP
C460 0.47/50
IC405
2/2
-11.2
C454 33/16
2.2/50 C480
2SC2458
Q416
R460 4.7k
10k R458
VR406 20k
220 R470
REC CrO2
33 1/2W
VR405, 406 : RECORDING LEVEL ADJ.
BIAS OSC
D401-407 : HSS104-02

A
B
C
D
E
F


1
2
3
4
5
6
A
B
C
D
Q203 Q201 Q204 Q202 IC201 IC301 IC303 IC304 Q414
Q209 Q208 IC202 Q206 Q205 Q207 IC203 Q210 IC403 Q411 IC404 Q410 Q413 Q416 IC406 Q415
Q409 Q401 Q402 IC401 Q408 Q406 IC402 Q404 Q403 Q405 Q407 Q412 IC405 Q417-Q421
VR201 VR401-VR404 VR408 VR407 VR406 VR405
300 OHM
FM
75 OHM
AM
ANP1410-B
PL
+12V
PHONO
VIDEO /AUX
CD
R
L
BEAT CUT
102K
105K
9.7:Nor
9.0:CrO2
TC4052BP
NJM4558DXP
LA1265S
TP204 S METER
TP 202
TP 203
T-METER
2.0
1.5
1.4
3.6
4.9
1.5
4.7:FM
2.3:AM
0.5/10.8
2.8
60mV
1.6
0.5
1.2
0.5/10.8
10.8
11.2
3.7
2.6
8.6
2.6
3
3.9
10.8
LM7001
AN7410P
CN13
8P
VCO
TP201
AWZ2292
4.7:PB2
-6.9:PB2
TC4066BP
CX20100P
M74LS05P
3.9:Nor SPEED
-0.3:HI-SPEED
4.7:REC CrO2
0.15:REC CrO2
5.4:HI-SPEED
0:OTHER
6.0
5.9
0.5
0.1
1.3
6.0
5.8
5.9
11.4
5.9
5.8
5.4
4.7:PB2
-6.9:PB2
TP401
3.9:Nor SPEED
-0.3:HI-SPEED
7.2
11.8
7.2
5.4
1.8
5.0
7.2
4.6:Nor x2
0:OTHER
1.0
7.1
-11.2
11.8
11.8
4.6
4.6:CrO2 x2
0:OTHER
-6.5
-7.2
5.3:PB1
-6.9:PB1
5.3:PB
-6.9:PB
5.4
4.8:PB
-12:REC
4.7:REC CrO2
0.15:REC CrO2
CN1
J6
CN14
CN5
BIAS
HI-SPEED
REC CrO2
DB ON/OFF
GND
+12V
M.G
+12V
+5V
F.FB
R.FB
-7V
T.R
F.R
F.L
T.L
R L G G E
R
L
BIAS

To DISPLAY assembly J13 (➡ P25)

To POWER assembly J1 (➡ P50)

To MAIN VOL assembly CN26 (➡ P44)

To DISPLAY assembly J14 (➡ P25)

INPUT assembly (AWZ2292)

This P. C. B connection diagram is viewed from the parts mounted side.

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

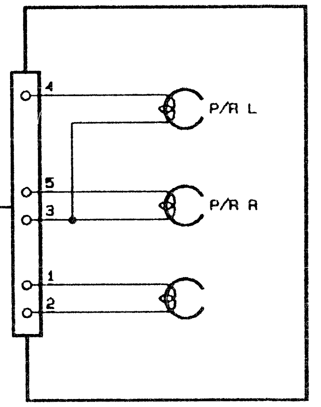
P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 E	E or E	Transistor
Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513	+	Capacitor (Polarized)
C518		Capacitor (Non-polarized)

Others

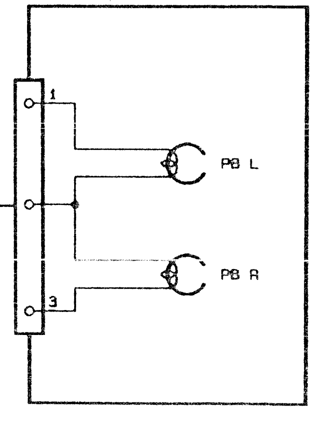
P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

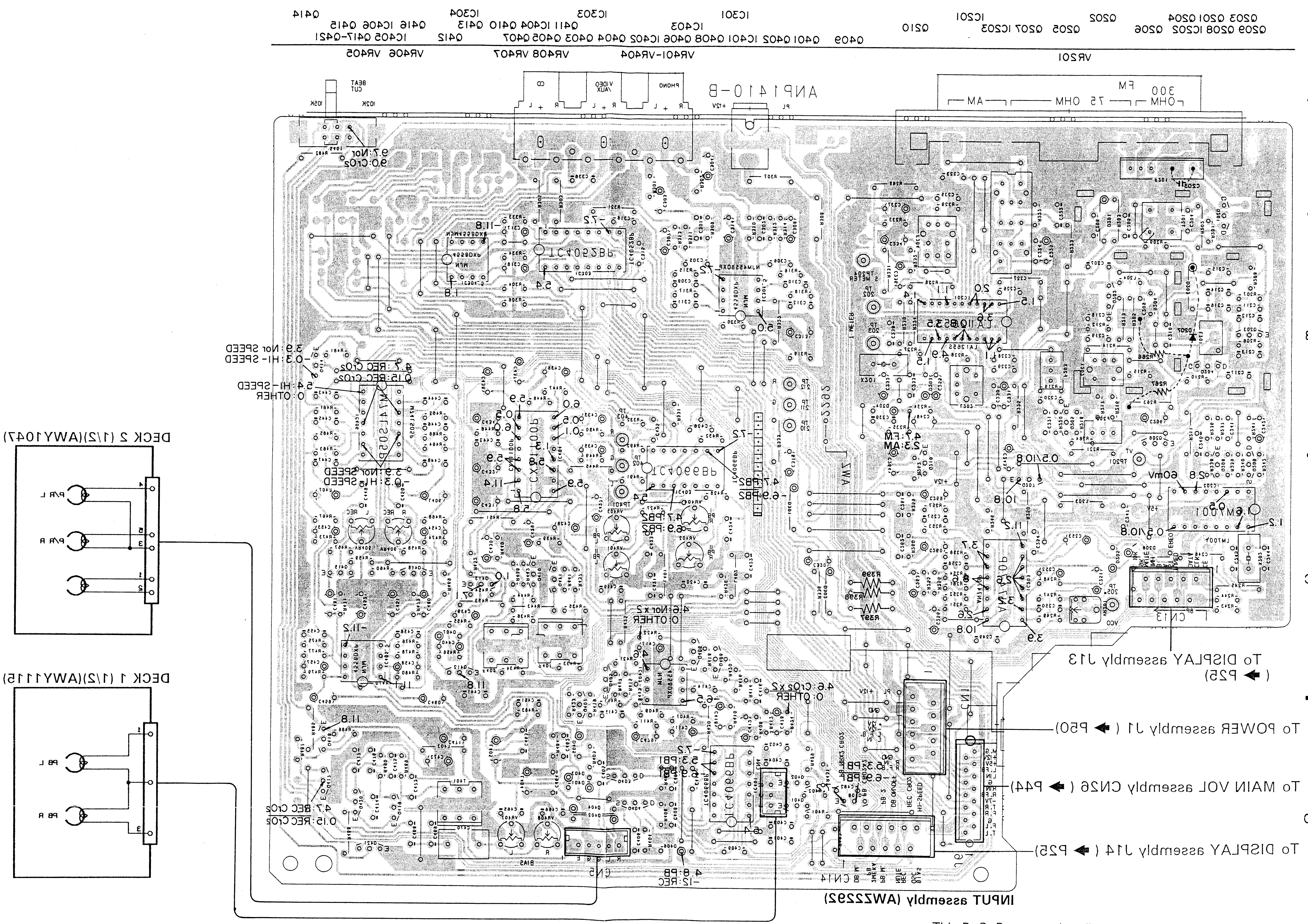
3. The capactor terminal marked with ◎(double circles) shows negatine terminal.
4. The diode terminal marked with ◎(double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

DECK 2 (1/2)(AWY1047)


4
5
3
1
2
P/R L
P/R R

DECK 1 (1/2)(AWY1115)

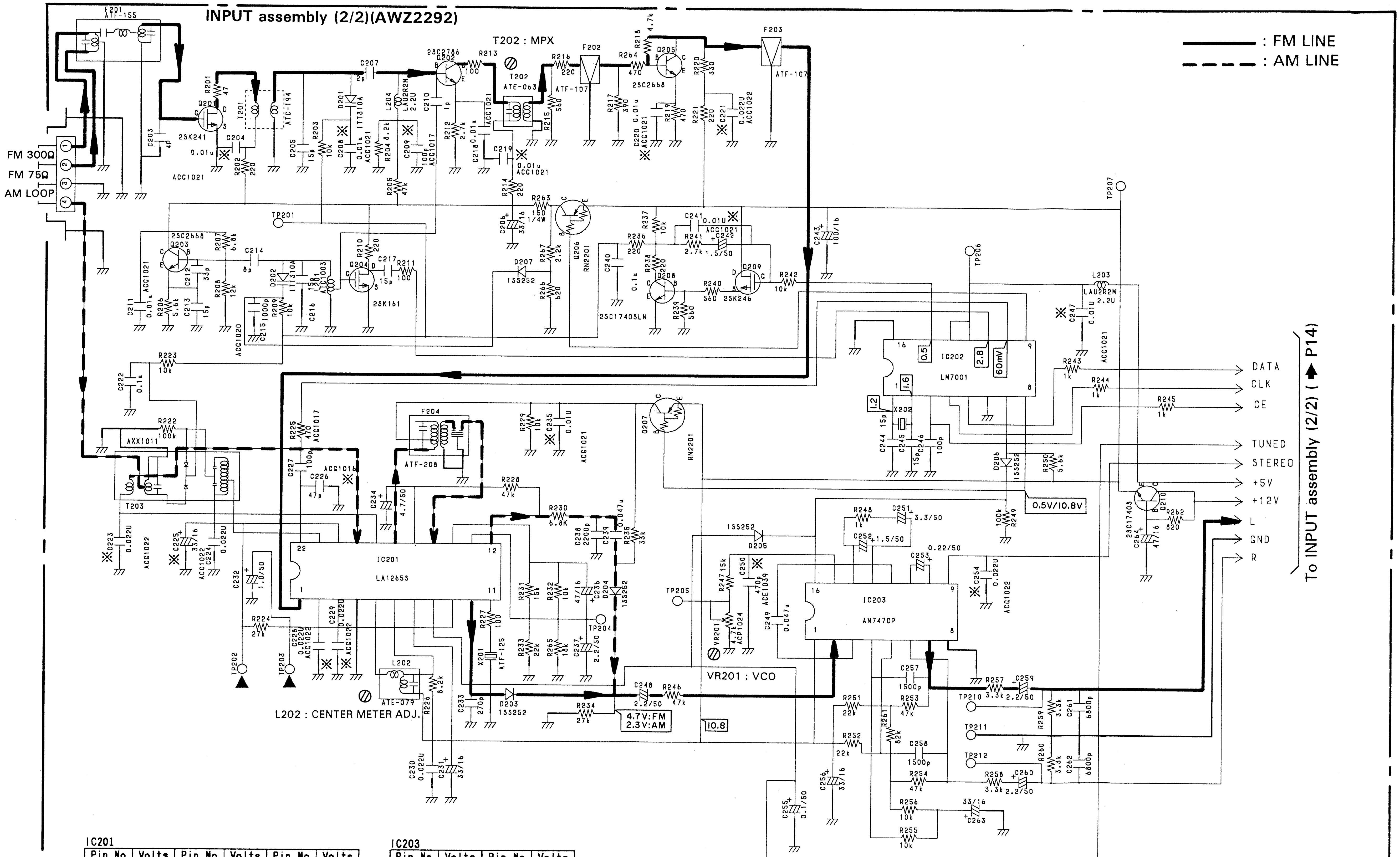



DECK 2 (1/2)(AWY1047)
DECK 1 (1/2)(AWY1115)
P/R L
P/R R
PB L
PB R
To DISPLAY assembly J13 (➡ P25)
To POWER assembly J1 (➡ P50)
To MAIN VOL assembly CN26 (➡ P44)
To DISPLAY assembly J14 (➡ P25)
ANP1410-B
PHONO
VIDEO /AUX
CD
BEAT CUT
FM 300 OHM
75 OHM
AM
CN13
CN14
CN5
9.7:Nor
9.0:CrO2
3.9:Nor SPEED
-0.3:HI-SPEED
5.4:HI-SPEED
0:OTHER
4.7:REC CrO2
0.15:REC CrO2
4.6:Nor x2
0:OTHER
4.6:CrO2 x2
0:OTHER
4.8:PB
-12:REC

INPUT assembly (AWZ292)

This P. C. B. connection diagram is viewed from the foil side.

INPUT assembly (2/2)(AWZ2292)


: FM LINE
: AM LINE
FM 300Ω
FM 75Ω
AM LOOP
F201 ATF-155
T202 : MPX
T202 ATE-063
F202 ATF-107
F203 ATF-107
Q201 2SK241
Q202 2SC2786
Q203 2SC2668
Q204 2SK161
Q205 2SC2668
Q206 RN2201
Q207 RN2201
Q208 2SC1740SLN
Q209 2SK246
Q210 2SC1740S
T201 ATC-194
T203
AXX1011
F204 ATF-208
IC201 LA1265S
IC202 LM7001
IC203 AN7470P
X201 ATF-125
X202
L202 ATE-079
L202 : CENTER METER ADJ.
VR201 : VCO
VR201 4.7k ACP1024
L203 LAU2R2M 2.2U
L204 LAU2R2M 2.2U
D201 1TT310A
D202 1TT310A
D203 1SS252
D204 1SS252
D205 1SS252
D206 1SS252
D207 1SS252
TP201
TP202
TP203
TP204
TP205
TP206
TP207
TP210
TP211
TP212
4.7V:FM
2.3V:AM
10.8
0.5V/10.8V
0.5
2.8
60mV
1.6
1.2
To INPUT assembly (2/2) (→ P14)
DATA
CLK
CE
TUNED
STEREO
+5V
+12V
L
GND
R

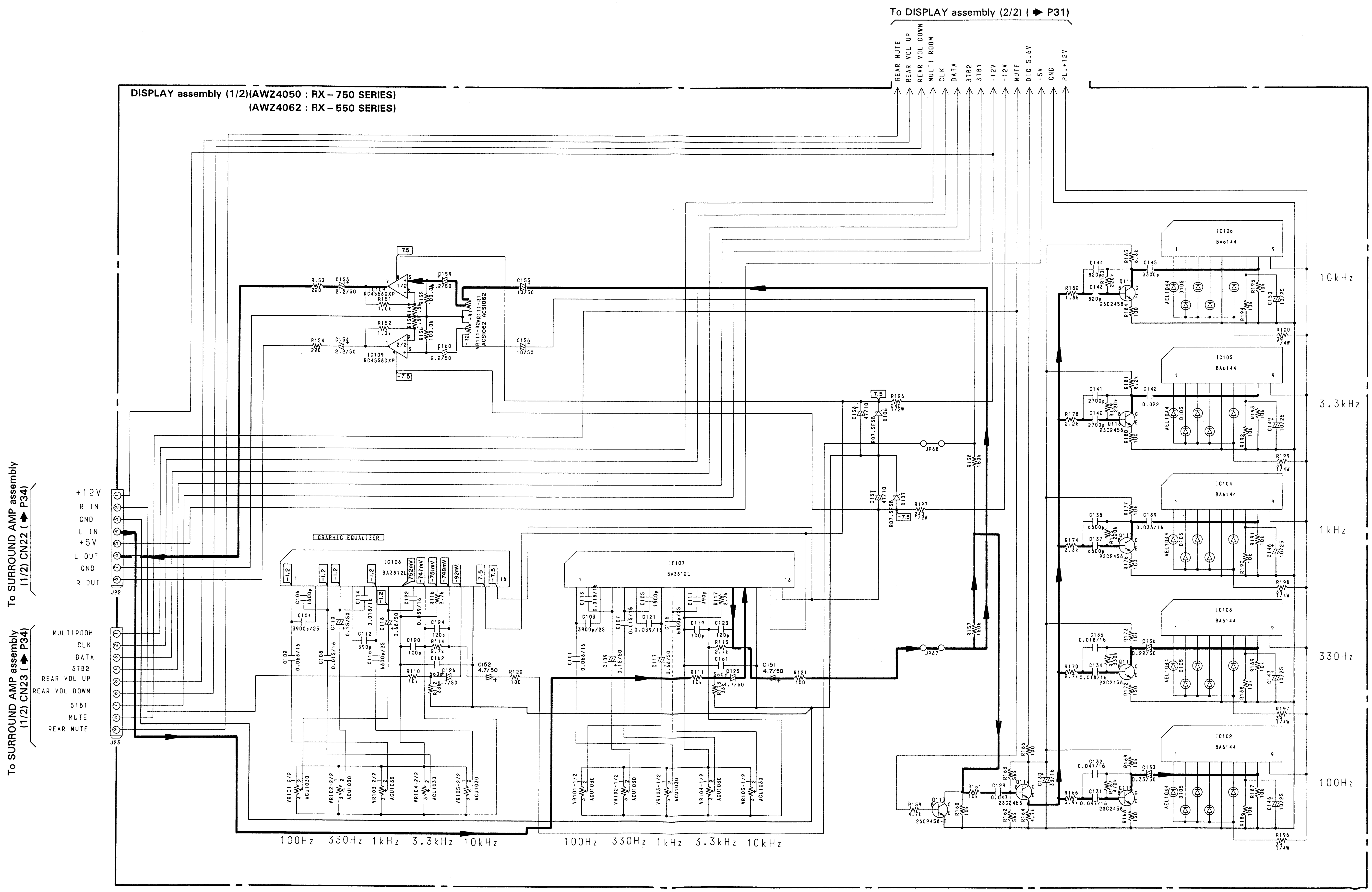
IC201

Pin No.	Volts	Pin No.	Volts	Pin No.	Volts
1	1.1	9	3.5	17	
2	1.1	10	1.5	18	2.0
3	1.1	11		19	2.0
4	12	12	1.4	20	3.6
5	10.8	13		21	3.6
6	10.8	14		22	1.5
7	10.8	15	1.1		
8	4.9	16			

IC203

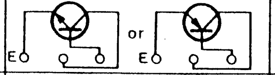
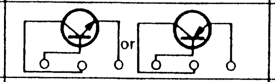
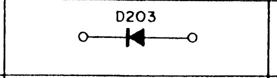
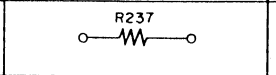
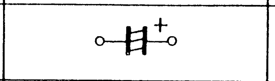
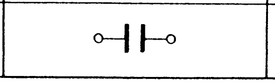
Pin No.	Volts	Pin No.	Volts
1		9	11.2
2	2.6	10	2.6
3		11	2.6
4	8.6	12	2.6
5	8.6	13	2.6
6	3.7	14	2.6
7	3.7	15	3.2
8		16	3.9

5.3 DISPLAY ASSEMBLY, DECK IND ASSEMBLY AND VOL IND ASSEMBLY


To DISPLAY assembly (2/2) (➔ P31)
REAR MUTE
REAR VOL UP
REAR VOL DOWN
MULTI ROOM
CLK
DATA
STB2
STB1
+12V
-12V
MUTE
DIG 5.6V
+5V
GND
PL.+12V
DISPLAY assembly (1/2)(AWZ4050 : RX-750 SERIES)
(AWZ4062 : RX-550 SERIES)
To SURROUND AMP assembly (1/2) CN22 (➔ P34)
+12V
R IN
GND
L IN
+5V
L OUT
GND
R OUT
J22
To SURROUND AMP assembly (1/2) CN23 (➔ P34)
MULTIROOM
CLK
DATA
STB2
REAR VOL UP
REAR VOL DOWN
STB1
MUTE
REAR MUTE
J23
IC109 RC4558DXP
IC110
VR111-R1 ACS1062
GRAPHIC EQUALIZER
IC108 BA3812L
IC107 BA3812L
IC106 BA6144
IC105 BA6144
IC104 BA6144
IC103 BA6144
IC102 BA6144
AEL1044
2SC2458
JP88
JP87
D106
D107
RD7.5E3B
VR101-2/2 ACU1030
VR102-2/2 ACU1030
VR103-2/2 ACU1030
VR104-2/2 ACU1030
VR105-2/2 ACU1030
VR101-1/2 ACU1030
VR102-1/2 ACU1030
VR103-1/2 ACU1030
VR104-1/2 ACU1030
VR105-1/2 ACU1030
100Hz 330Hz 1kHz 3.3kHz 10kHz
100Hz 330Hz 1kHz 3.3kHz 10kHz
10kHz
3.3kHz
1kHz
330Hz
100Hz
7.5
-7.5
C152 4.7/50
R120 100
C151 4.7/50
R121 100
C155 10/50
C156 10/50
R153 220
R154 220
C153 2.2/50
C154 2.2/50
R126 470 1/2W
R127 470 1/2W
R100 1 1/4W

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

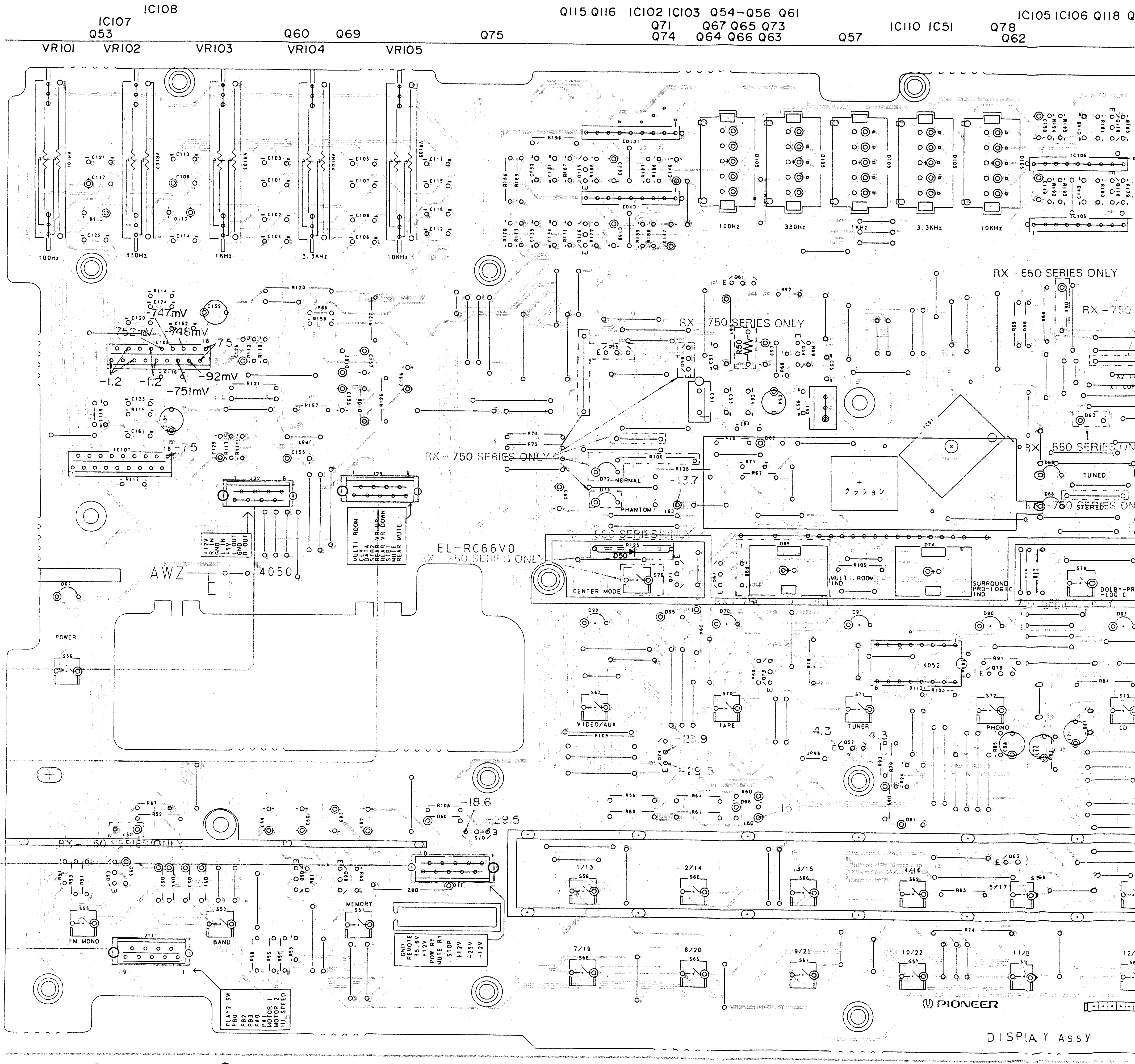
P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
E Q504	 E or E	Transistor
Q215	 or	Radiator type transistor
D203	 D203	Diode
R237	 R237	Resistor
C513		Capacitor (Polarized)
C518		Capacitor (Non-polarized)

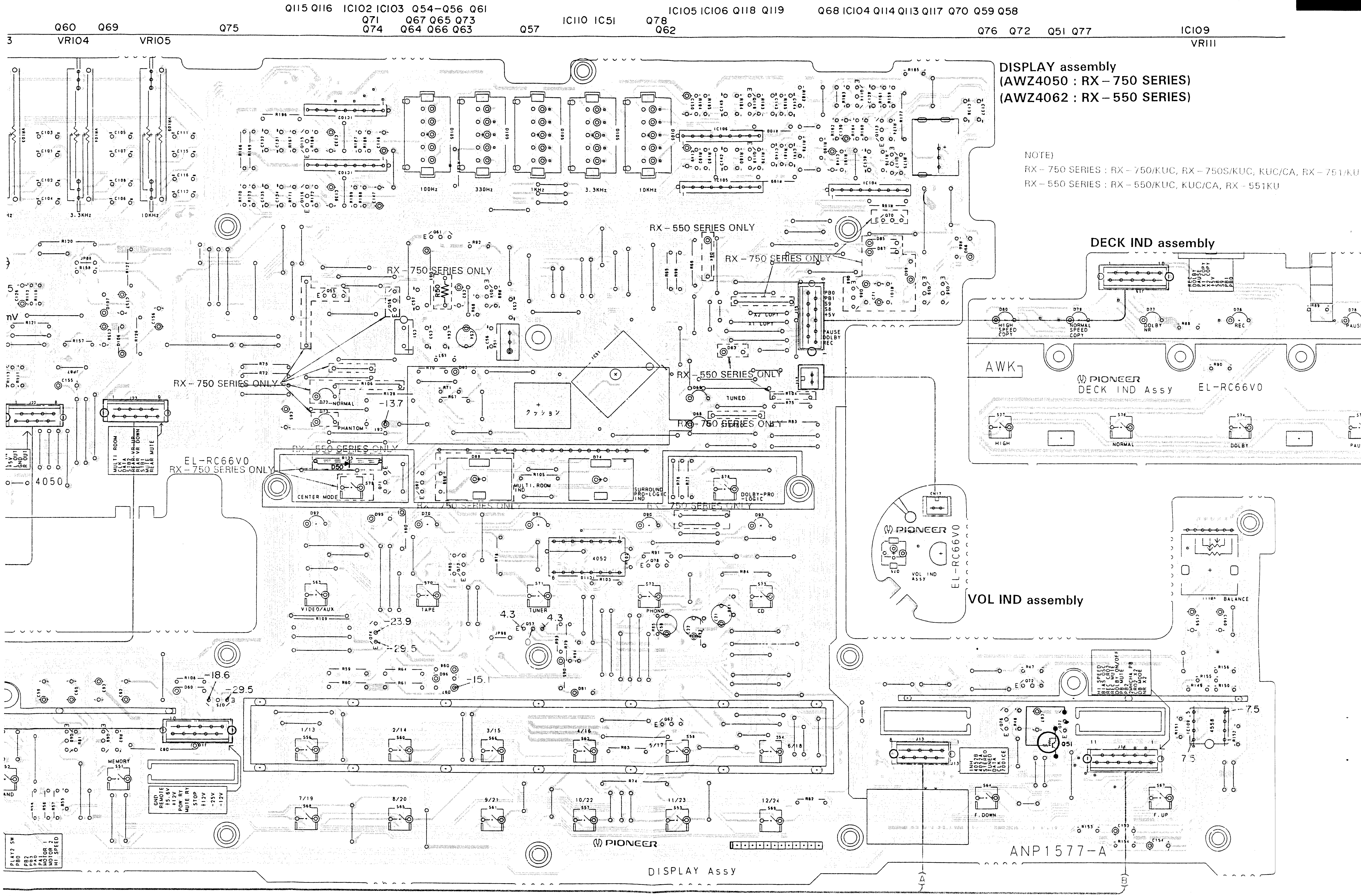
Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capactor terminal marked with ◎ (double circles) shows negatine terminal.
4. The diode terminal marked with ◎ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

This P. C. B connection diagram is viewed from the parts mounted side.

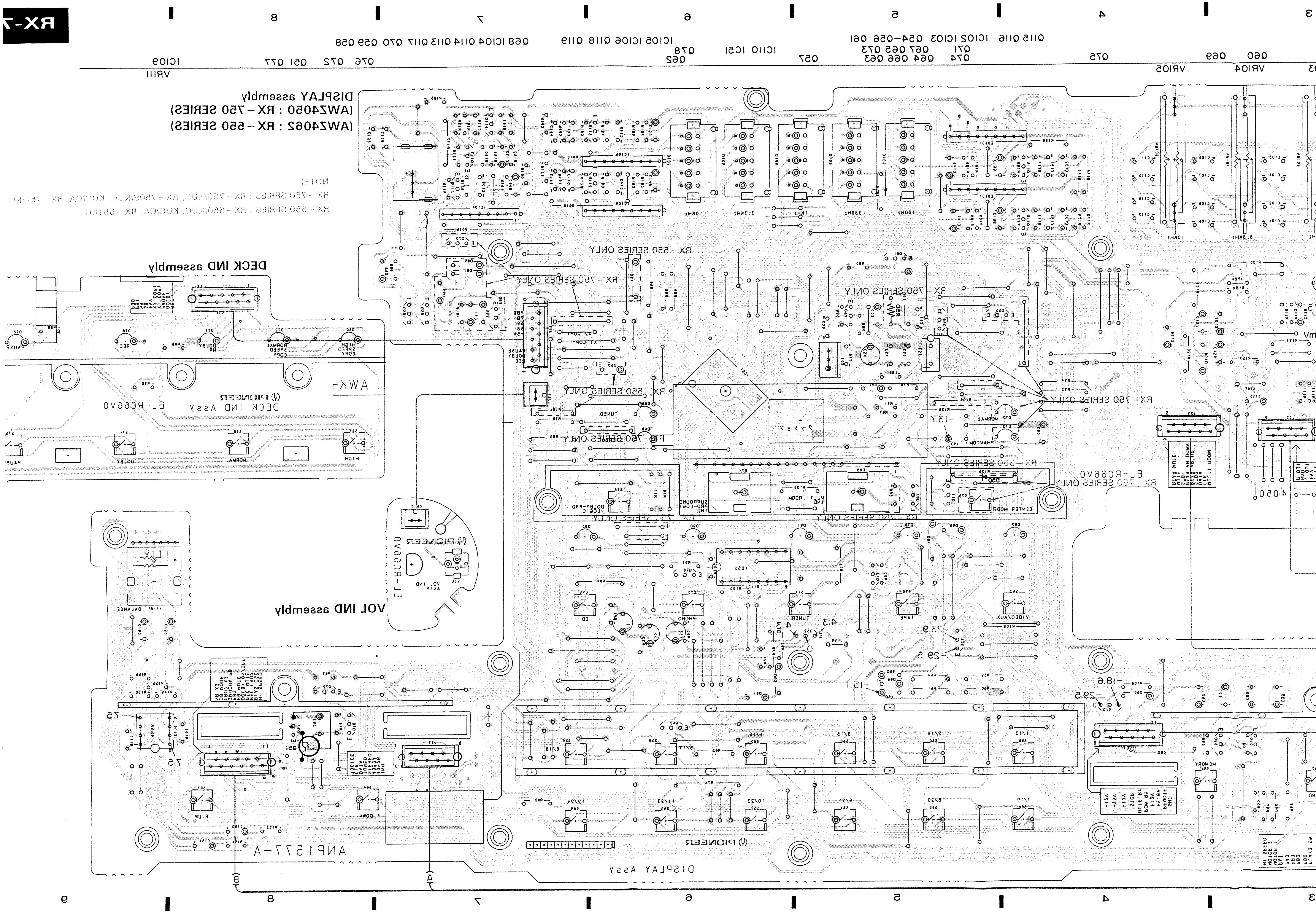

IC108
IC107
Q53
Q60 Q69
Q75
Q115 Q116
IC102 IC103 Q54–Q56 Q61
Q71 Q67 Q65 Q73
Q74 Q64 Q66 Q63
Q57
IC110 IC51
IC105 IC106 Q118
Q78
Q62
VR101
VR102
VR103
VR104
VR105
100Hz
330Hz
1KHz
3.3KHz
10KHz
-747mV
752mV
748mV
7.5
-1.2
-1.2
-92mV
-751mV
7.5
RX-750 SERIES ONLY
RX-550 SERIES ONLY
RX-750 SERIES ONLY
RX-550 SERIES ONLY
RX-750 SERIES ONLY
-13.7
NORMAL
PHANTOM
EL-RC66V0
RX-750 SERIES ONLY
AWZ
4050
CENTER MODE
MULTI ROOM IND
SURROUND PRO-LOGIC IND
DOLBY-PRO LOGIC
TUNED
STEREO
クッション
POWER
VIDEO/AUX
TAPE
TUNER
PHONO
CD
4052
4.3
4.3
-23.9
-29.5
-18.6
-29.5
15
RX-550 SERIES ONLY
FM MONO
BAND
MEMORY
1/13
2/14
3/15
4/16
5/17
7/19
8/20
9/21
10/22
11/3
12/
GND REMOTE +5.6V +12V POW RY MUTE RY STOP +12V -25V -12V
12V GND GND +5V GND IN OUT
MULTI ROOM CLK STB2 STB1 VR-UP VR DOWN REAR VR REAR MUTE
PLAY2 SW PB0 PB2 PB3 PA0 MOTOR 1 MOTOR 2 HI SPEED
PIONEER
DISPLAY Assy
To SURROUND AMP assembly CN22 (➡ P35, P36)
To SURROUND AMP assembly CN23 (➡ P35, P36)
To POWER assembly CN10 (➡ P51)
To POWER assembly CN11 (➡ P51)
To INPUT assembly CN13 (➡ P15)-(A)
To INPUT assembly CN14 (➡ P15)-(B)

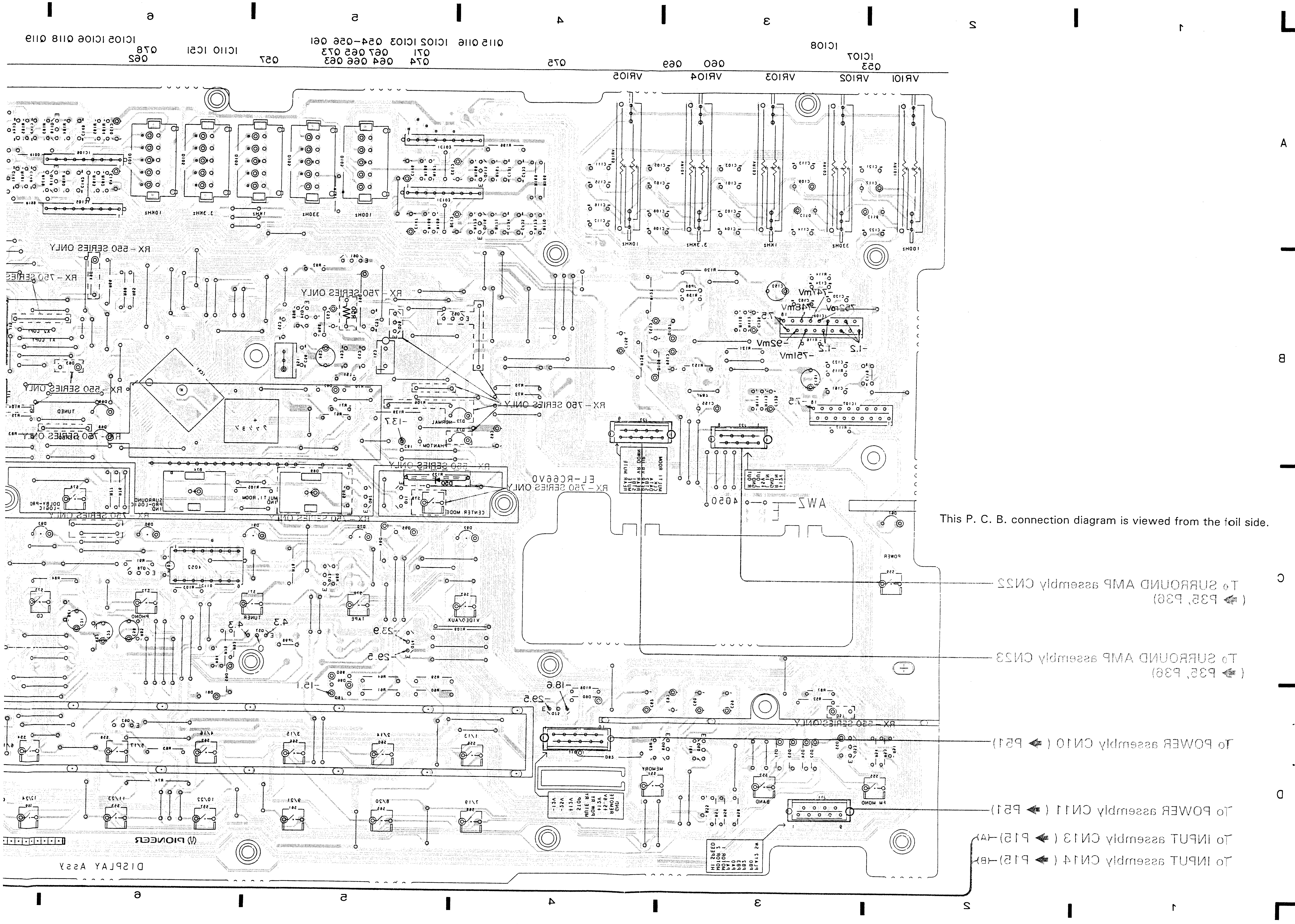


DISPLAY assembly
(AWZ4050 : RX – 750 SERIES)
(AWZ4062 : RX – 550 SERIES)

NOTE)
RX – 750 SERIES : RX – 750/KUC, RX – 750S/KUC, KUC/CA, RX – 751/KU
RX – 550 SERIES : RX – 550/KUC, KUC/CA, RX – 551KU

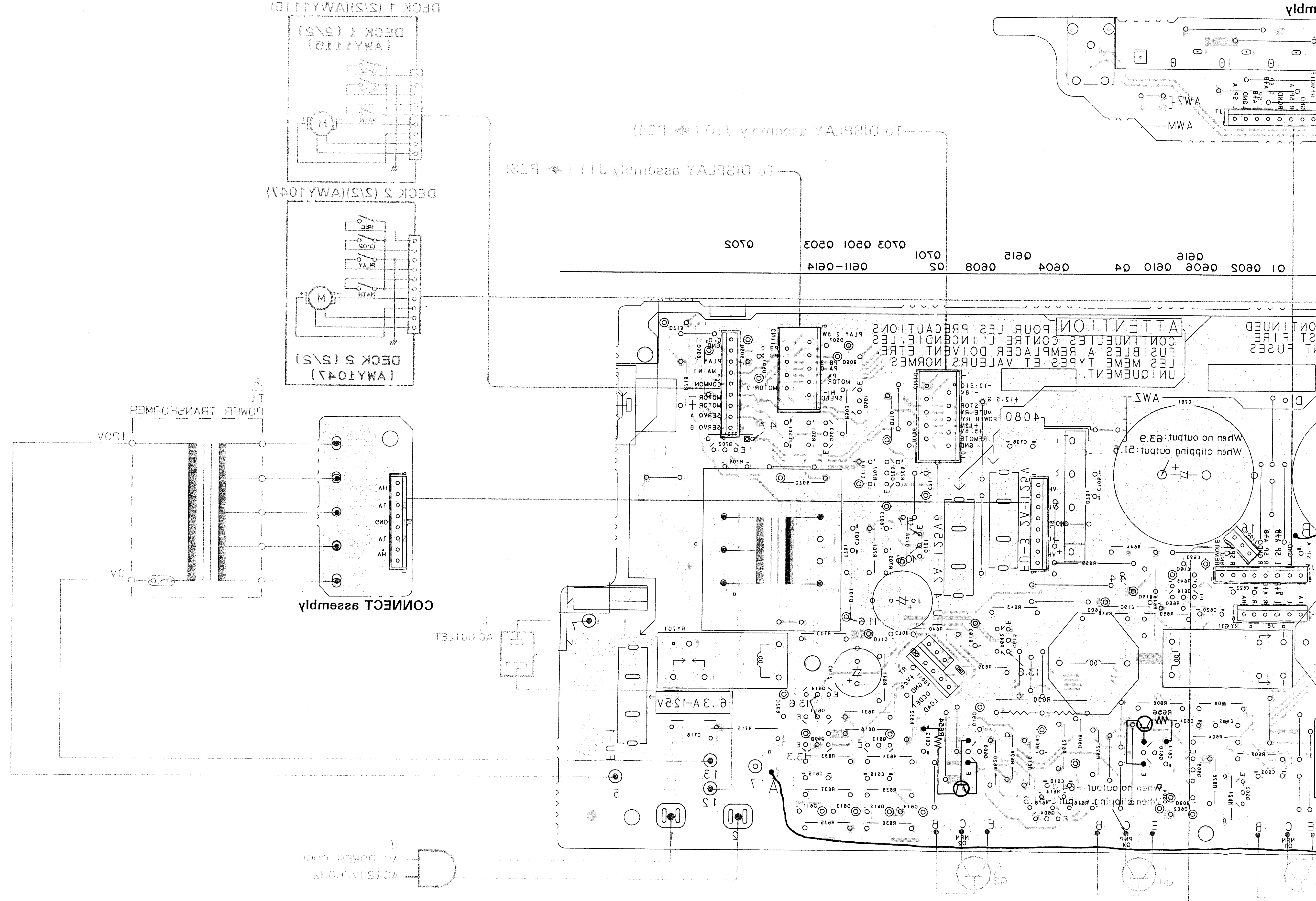
Q115 Q116 IC102 IC103 Q54–Q56 Q61
Q71 Q67 Q65 Q73
Q74 Q64 Q66 Q63
Q60 Q69 Q75 Q57 IC110 IC51 Q78 Q62
IC105 IC106 Q118 Q119
Q68 IC104 Q114 Q113 Q117 Q70 Q59 Q58
Q76 Q72 Q51 Q77 IC109
VR104 VR105 VR111
100Hz 330Hz 1KHz 3.3KHz 10KHz
RX – 550 SERIES ONLY
RX – 750 SERIES ONLY
EL-RC66V0
4050
-13.7
NORMAL
PHANTOM
CENTER MODE
MULTI. ROOM IND
SURROUND PRO-LOGIC IND
DOLBY-PRO -LOGIC
TUNED
X2 COPY
X1 COPY
PAUSE DOLBY REC
VIDEO/AUX
TAPE
TUNER
PHONO
CD
4.3
-23.9
-29.5
-18.6
-15.1
MEMORY
1/13 2/14 3/15 4/16 5/17 6/18
7/19 8/20 9/21 10/22 11/23 12/24
PIONEER
DISPLAY Assy
DECK IND assembly
HIGH SPEED COPY
NORMAL SPEED COPY
DOLBY NR
REC
AWK
PIONEER
DECK IND Assy
EL-RC66V0
HIGH
NORMAL
DOLBY
PAUSE
VOL IND assembly
VOL IND ASSY
BALANCE
F. DOWN
F. UP
7.5
ANP1577-A
A
B


DISPLAY assembly
(AWZ4050 : RX-750 SERIES)
(AWZ4062 : RX-550 SERIES)
NOTE)
RX-750 SERIES : RX-750/KUC, RX-750S/KUC, KUC/CA, RX-751/KU
RX-550 SERIES : RX-550/KUC, KUC/CA, RX-551/KU
DECK IND assembly
VOL IND assembly
RX-550 SERIES ONLY
RX-750 SERIES ONLY
DECK IND ASSY
EL-RC66V0
VOL IND ASSY
DISPLAY ASSY
ANP1577-A
AWK
PIONEER
PAUSE
REC
DOLBY NR
NORMAL SPEED COPY
HIGH SPEED COPY
NORMAL
HIGH
DOLBY
BALANCE
F.UP
F.DOWN
MEMORY
CD
PHONO
TUNER
TAPE
VIDEO/AUX
DOLBY-PRO LOGIC
SURROUND PRO-LOGIC IND
MULTI.ROOM IND
MULTI.ROOM
CENTER MODE
NORMAL
PHANTOM
TUNED
10kHz
3.3kHz
1kHz
330Hz
100Hz
-13.7
-23.9
-29.5
-18.6
-15.1
4.3
7.5
4050
4052
1
2
3
4
5
6
7
8
9
A
B
IC109 VR111
Q76 Q72 Q51 Q77
Q68 IC104 Q114 Q113 Q117 Q70 Q59 Q58
Q78 Q62
IC105 IC106 Q118 Q119
IC110 IC51
Q57
Q115 Q116 IC102 IC103 Q54-Q56 Q61
Q67 Q65 Q73 Q71
Q64 Q66 Q63 Q74
Q75
VR105
Q69 VR104
Q60


1
2
3
4
5
6
A
B
C
D
To SURROUND AMP assembly CN22 (P35, P36)
To SURROUND AMP assembly CN23 (P35, P36)
To POWER assembly CN10 (P51)
To POWER assembly CN11 (P51)
To INPUT assembly CN13 (P15)-4A
To INPUT assembly CN14 (P15)-4B
VR101
VR102
VR103
VR104
VR105
IC107
IC108
Q53
Q60
Q69
Q75
RX-550 SERIES ONLY
RX-750 SERIES ONLY
DISPLAY ASSY
PIONEER

This P. C. B. connection diagram is viewed from the foil side.

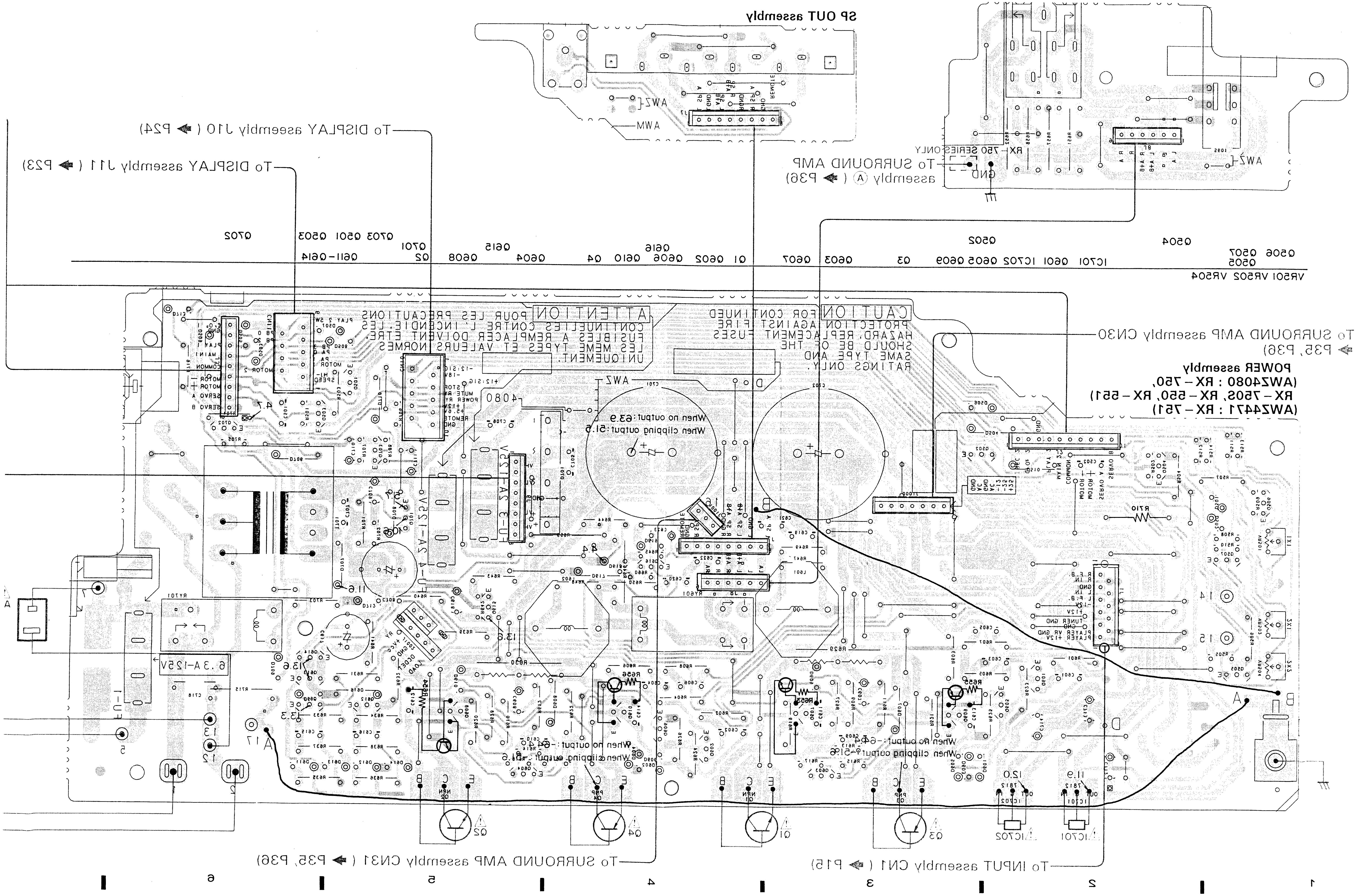
5.6 POWER ASSEMBLY, SP OUT ASSEMBLY, CONNECT ASSEMBLY, HEADPHONE ASSEMBLY, DECK 1 (1/2) AND DECK 2 (2/2)



DECK 2 (2/2) (AWY1047)
POWER TRANSFORMER
T1
120V
0V
CONNECT assembly
AC OUTLET
ATTENTION
6.3A-125V
FU-1
RY701
AWZ
MWA
When output:63.9
When clipping output:51.5
Q2
Q4
NPN
PNP

This P. C. B. connection diagram is viewed from the foil side.

NOTE)
RX-750 SERIES : RX-750/KUC, RX-750S/KUC, KUC/CA, RX-751/KU
RX-550 SERIES : RX-550/KUC, KUC/CA, RX-551KU


HEADPHONE assembly
SP OUT assembly
To DISPLAY assembly J10 (➡ P24)
To DISPLAY assembly J11 (➡ P23)
To SURROUND AMP assembly Ⓐ (➡ P36)
RX-750 SERIES ONLY
GND
AWZ
AWM
Q702
Q703 Q501 Q503
Q611–Q614
Q701
Q2
Q608
Q615
Q604
Q4 Q610
Q616
Q606 Q602 Q1
Q607 Q603
Q3
Q502
Q609 Q605 IC702 Q601 IC701
Q504
Q506 Q507
Q505
VR501 VR502 VR504
To SURROUND AMP assembly CN30 (➡ P35, P36)
POWER assembly
(AWZ4080 : RX-750, RX-750S, RX-550, RX-551)
(AWZ4471 : RX-751)
CAUTION FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.
ATTENTION POUR LES PRECAUTIONS CONTINUELLES CONTRE L INCENDIE LES FUSIBLES A REMPLACER DOIVENT ETRE LES MEME TYPES ET VALEURS NORMES UNIQUEMENT.
4080
When no output : 63.9
When clipping output : 51.5
When no output : 64.4
When clipping output : 51.6
6.3A-125V
RY701
RY601
R710
IC701
IC702
7812
12.0
11.9
11.6
13.6
13.3
4.7
A
B
D
Q2
Q4
Q1
Q3
B C E
To SURROUND AMP assembly CN31 (➡ P35, P36)
To INPUT assembly CN1 (➡ P15)
6
5
4
3
2
1

5.4 SURROUND AMP ASSEMBLY

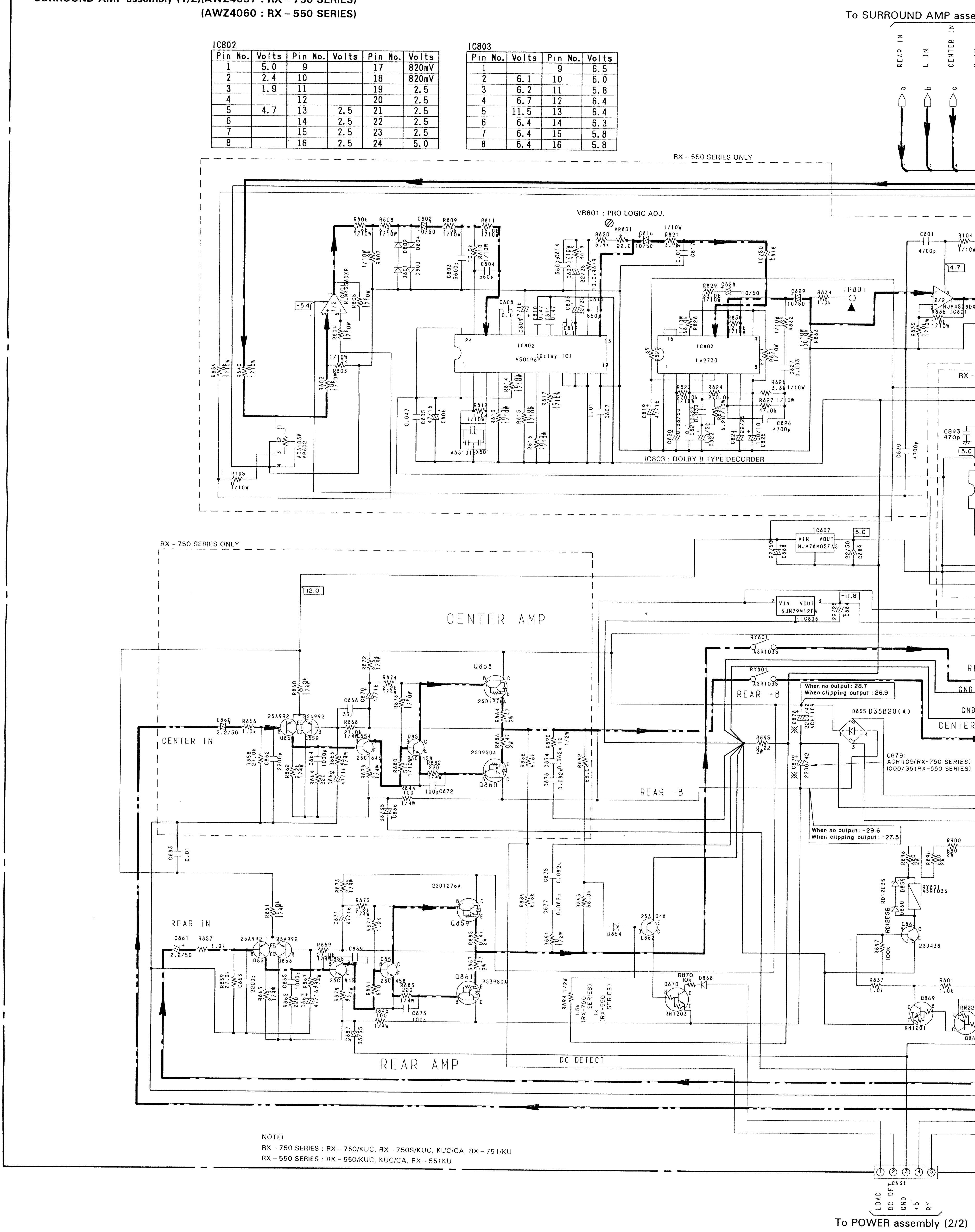
SURROUND AMP assembly (1/2)(AWZ4057 : RX – 750 SERIES)
(AWZ4060 : RX – 550 SERIES)

IC802

Pin No.	Volts	Pin No.	Volts	Pin No.	Volts
1	5.0	9		17	820mV
2	2.4	10		18	820mV
3	1.9	11		19	2.5
4		12		20	2.5
5	4.7	13	2.5	21	2.5
6		14	2.5	22	2.5
7		15	2.5	23	2.5
8		16	2.5	24	5.0

IC803

Pin No.	Volts	Pin No.	Volts
1		9	6.5
2	6.1	10	6.0
3	6.2	11	5.8
4	6.7	12	6.4
5	11.5	13	6.4
6	6.4	14	6.3
7	6.4	15	5.8
8	6.4	16	5.8



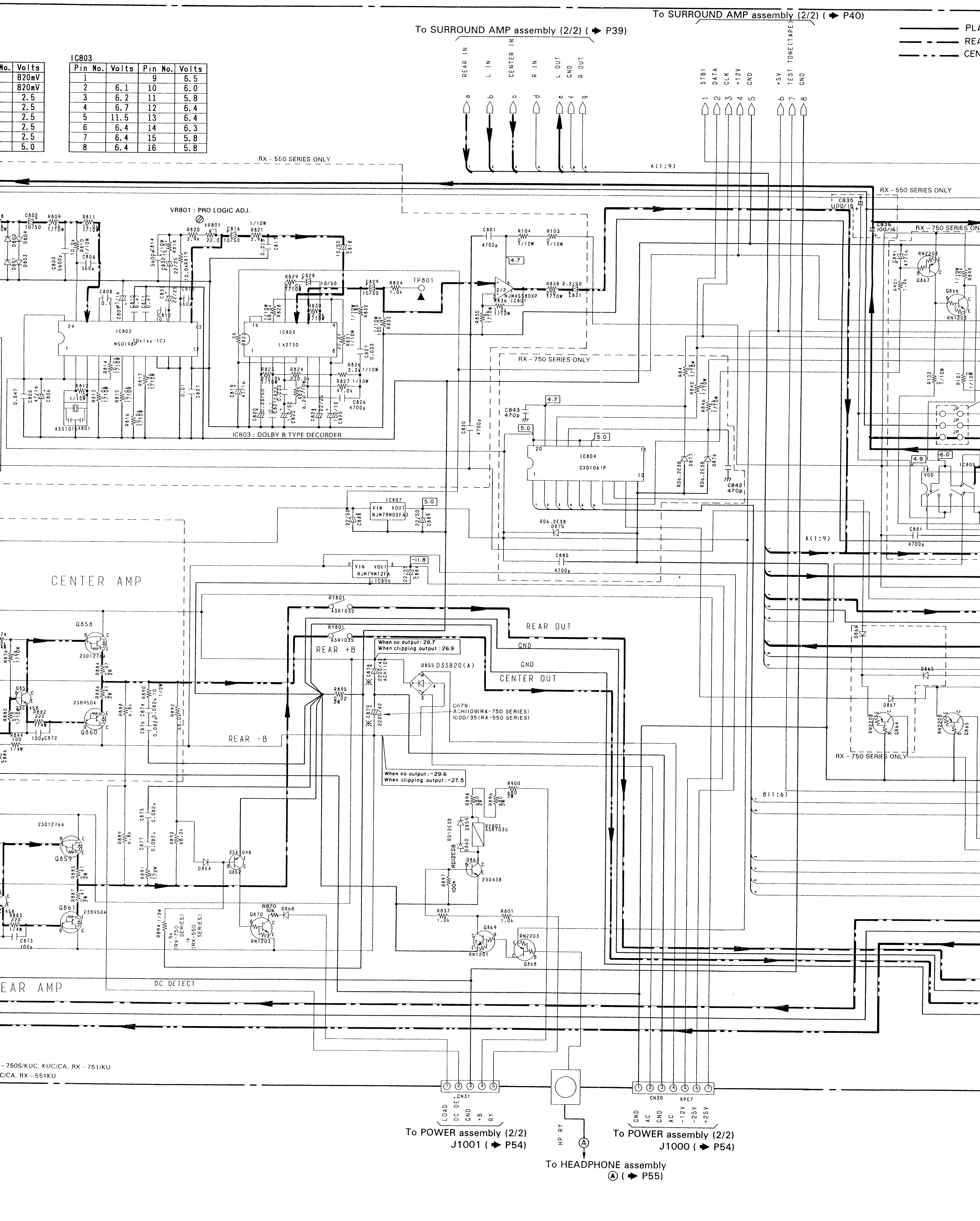
To SURROUND AMP asse
REAR IN
L IN
CENTER IN
a
b
c
RX – 550 SERIES ONLY
VR801 : PRO LOGIC ADJ.
IC802
MS0198P (Delay-IC)
IC803
LA2730
IC803 : DOLBY B TYPE DECORDER
NJM4558DXP
NJM4558DX IC801
TP801
ASS101 X801
ACS1038 VR802
-5.4
4.7
5.0
C843 470p
C801 4700p
R104
RX – 750 SERIES ONLY
12.0
CENTER AMP
CENTER IN
2SA992
Q851
Q852
Q854
2SC1845
Q856
2SC1458
Q858
2SD1276A
Q860
2SB950A
IC807
VIN VOUT
NJM78M05FAS
5.0
IC806
VIN VOUT
NJM79M12FA
-11.8
RY801
ASR1035
REAR +B
REAR -B
When no output: 28.7
When clipping output : 26.9
When no output : -29.6
When clipping output : -27.5
D855 D3SB20(A)
C879:
ACH1109(RX-750 SERIES)
1000/35(RX-550 SERIES)
CENTER
GND
GND
REAR IN
2SA992
Q851
Q853
2SC1845
Q855
Q857
2SC1458
Q859
2SD1276A
Q861
2SB950A
REAR AMP
DC DETECT
2SA1048
Q862
D854
Q870
RN1203
R870 10k
D868
R894 1/2W
1.5k (RX-750 SERIES)
1k (RX-550 SERIES)
RD12ESB
D859
D860
Q863
2SD438
R897 100k
R837 1.0k
R801 1.0k
Q869
RN1201
R900 680 2W
R898
R896
CN31
1 2 3 4 5
LOAD
DC DET
GND
+B
RY
To POWER assembly (2/2)
J1001 (➔ P54)

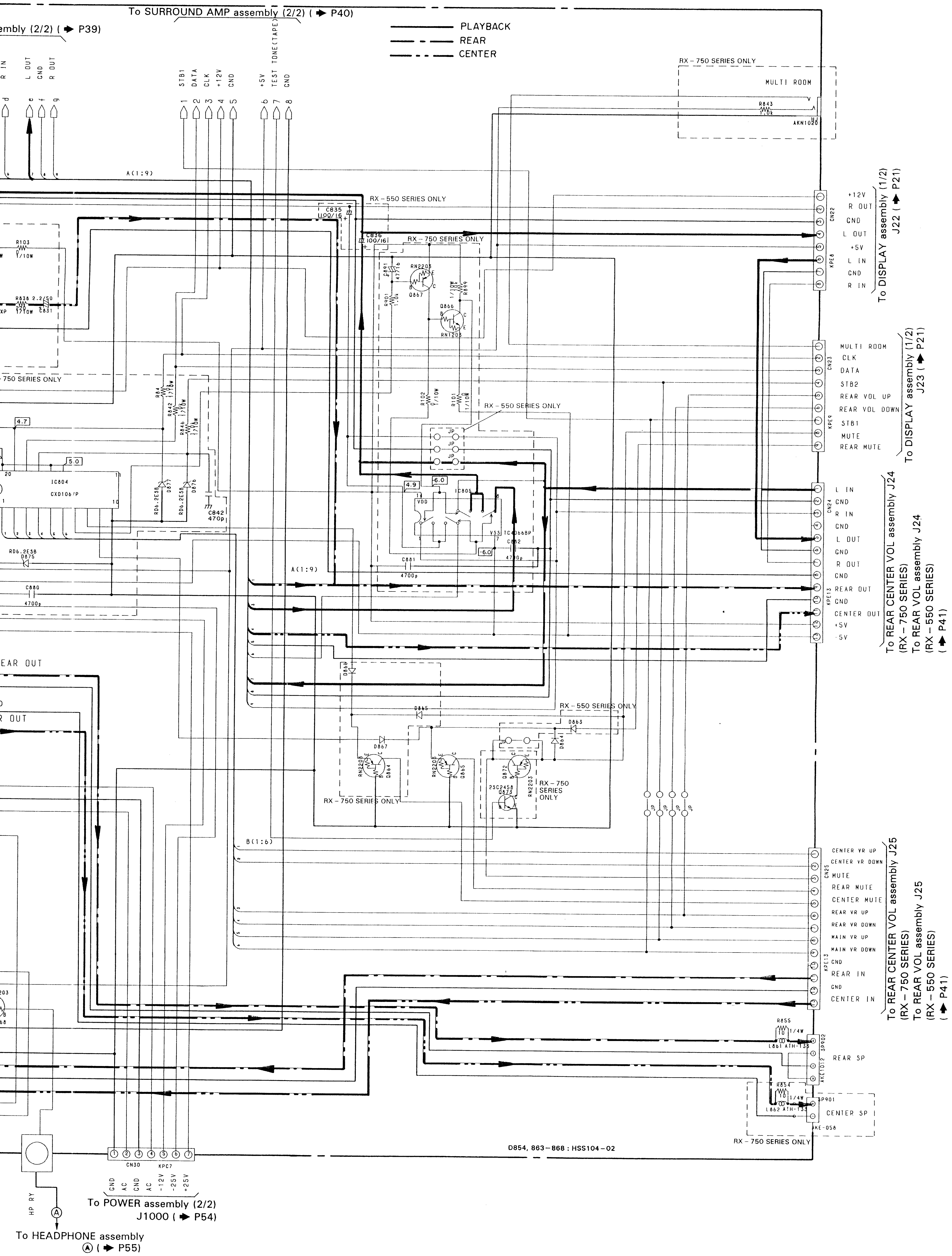
NOTE)
RX – 750 SERIES : RX – 750/KUC, RX – 750S/KUC, KUC/CA, RX – 751/KU
RX – 550 SERIES : RX – 550/KUC, KUC/CA, RX – 551KU

No.	Volts
	820mV
	820mV
	2.5
	2.5
	2.5
	2.5
	2.5
	5.0

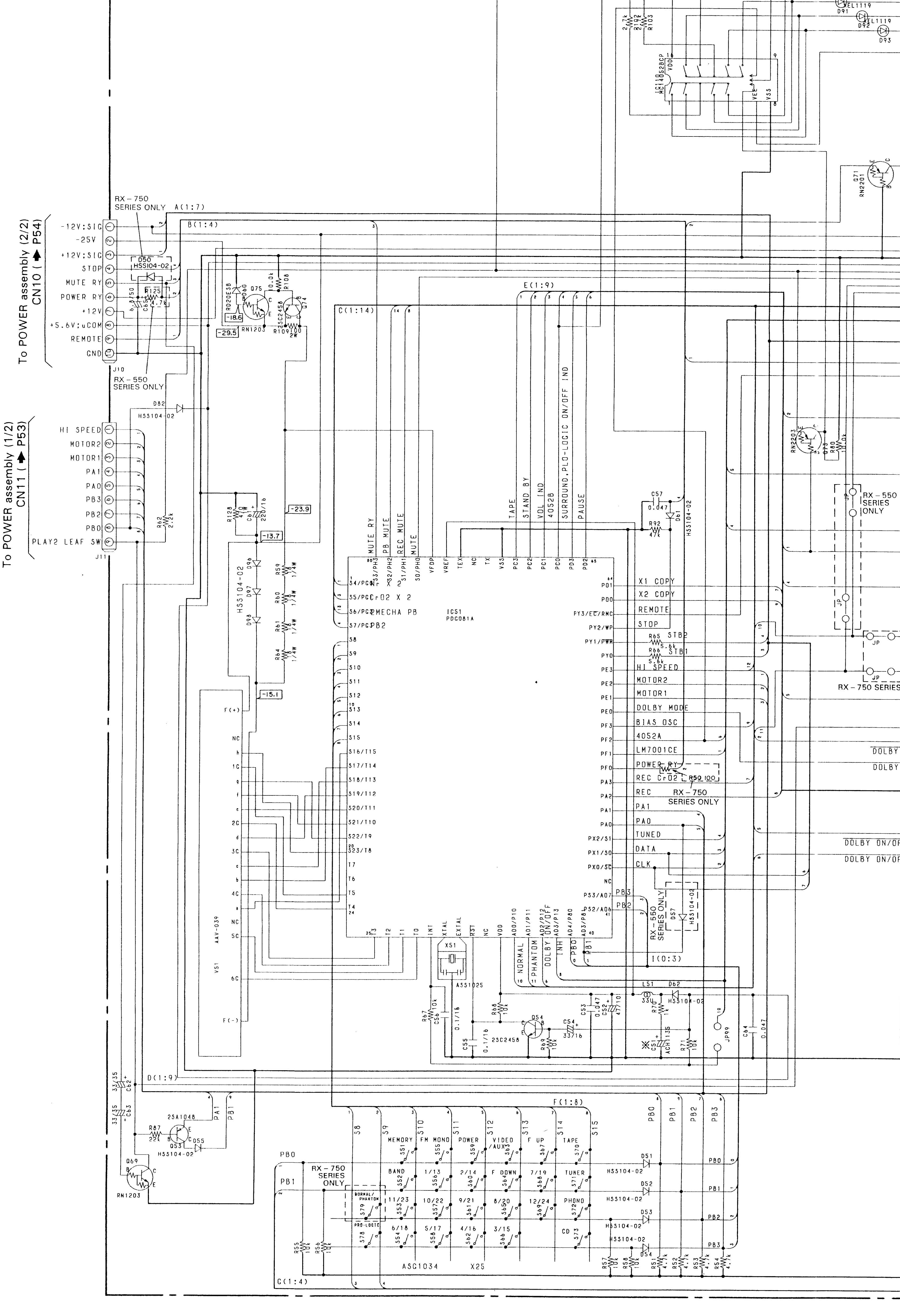
IC803

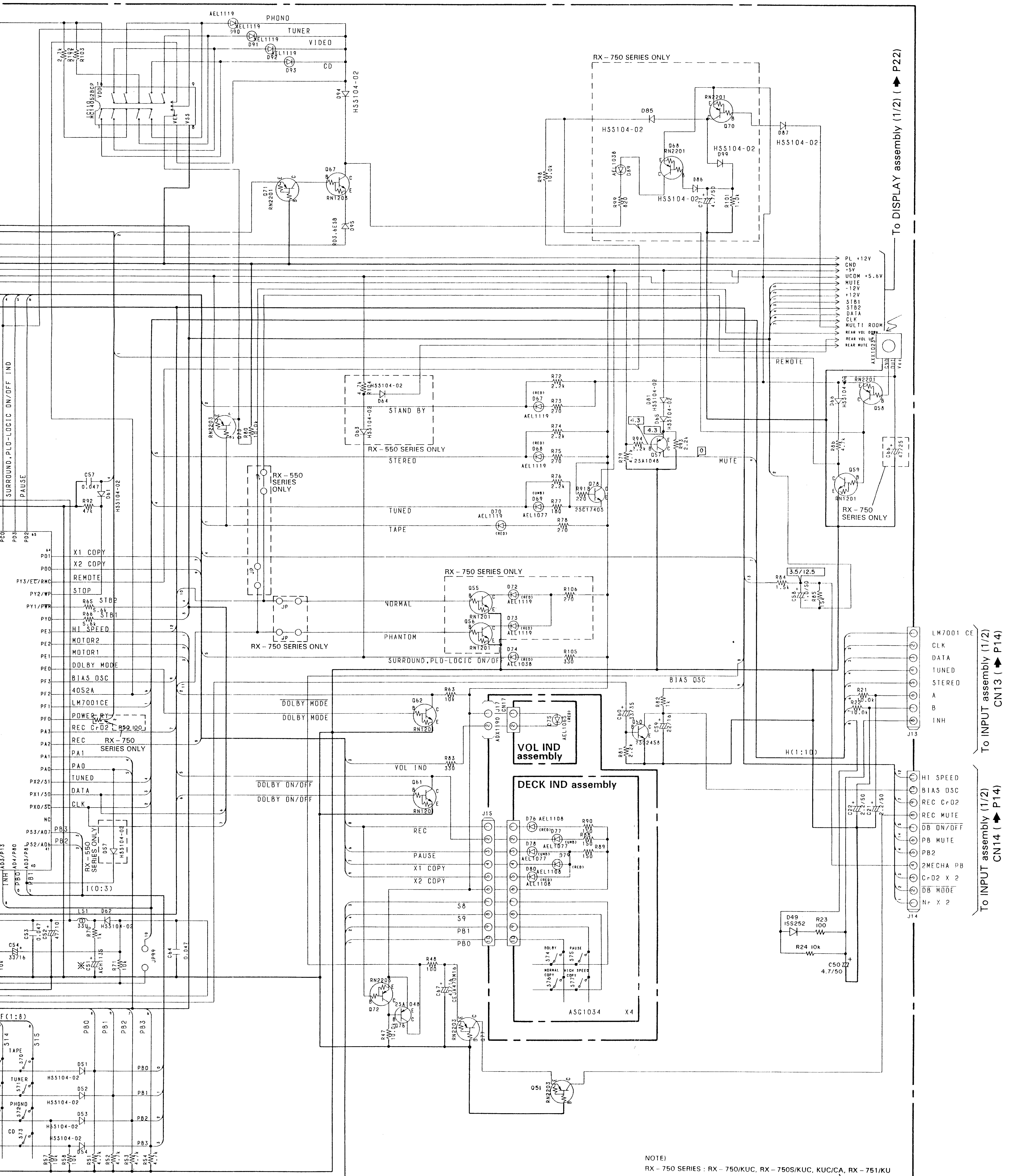
Pin No.	Volts	Pin No.	Volts
1		9	6.5
2	6.1	10	6.0
3	6.2	11	5.8
4	6.7	12	6.4
5	11.5	13	6.4
6	6.4	14	6.3
7	6.4	15	5.8
8	6.4	16	5.8


To SURROUND AMP assembly (2/2) (➡ P39)
REAR IN
L IN
CENTER IN
R IN
L OUT
GND
R OUT
To SURROUND AMP assembly (2/2) (➡ P40)
STB1
DATA
CLK
+12V
GND
+5V
TEST TONE(TAPE)
GND
PL
REA
CEN
RX-550 SERIES ONLY
A(1:9)
VR801 : PRO LOGIC ADJ.
VR801
IC802
M50198P (Delay-IC)
X801
IC803
LA2730
IC803 : DOLBY B TYPE DECORDER
TP801
NJM4558DXP IC801
RX-750 SERIES ONLY
IC804
CXD1067P
IC807
NJM78M05FA
IC806
NJM79M12FA
CENTER AMP
REAR OUT
GND
CENTER OUT
REAR +B
REAR -B
When no output : 28.7
When clipping output : 26.9
When no output : -29.6
When clipping output : -27.5
D855 D3SB20(A)
C879: ACH1109(RX-750 SERIES) 1000/35(RX-550 SERIES)
RY801 ASR1035
Q858 2SD1276A
Q860 2SB950A
Q859 2SD1276A
Q861 2SB950A
Q862 2SA1048
Q863 2SD438
Q869 RN1201
Q868 RN2203
Q870 RN1203
Q867 RN2203
Q866 RN1203
B(1:6)
DC DETECT
REAR AMP
CN31
LOAD
DC DET
GND
+B
RY
To POWER assembly (2/2) J1001 (➡ P54)
HP RY
To HEADPHONE assembly Ⓐ (➡ P55)
CN30 KPC7
GND
AC
GND
AC
-12V
-25V
+25V
To POWER assembly (2/2) J1000 (➡ P54)
-750S/KUC, KUC/CA, RX-751/KU
C/CA, RX-551KU


To SURROUND AMP assembly (2/2) (➡ P40)
embly (2/2) (➡ P39)
PLAYBACK
REAR
CENTER
R IN
L OUT
GND
R OUT
STB1
DATA
CLK
+12V
GND
+5V
TEST TONE(TAPE)
GND
A(1:9)
RX-750 SERIES ONLY
MULTI ROOM
R843 1.0k
AKN1020
RX-550 SERIES ONLY
C835 100/16
C836 100/16
RX-750 SERIES ONLY
R103 0 1/10W
R838 2.2/50
C831
RN2205
C891 47/16
Q867
R901 1.0k
R899 1/10W
Q866
RN1203
R102 1/10W
R101 1/10W
RX-550 SERIES ONLY
JP
750 SERIES ONLY
R84 1/10W
R842 1/10W
R846 1/10W
4.7
5.0
IC804
CXD1067P
RD6.2ESB D877
RD6.2ESB D876
C842 470p
RD6.2ESB D875
C880 4700p
4.9
6.0
IC805
VDD
VSS TC4066BP
-6.0
C881 4700p
C882 4700p
A(1:9)
EAR OUT
R OUT
D868
D865
RX-550 SERIES ONLY
D863
D864
D867
RN2206 Q864
RN2206 Q865
D872
2SC2458 Q873
RN2203
RX-750 SERIES ONLY
RX-750 SERIES ONLY
B(1:6)
JP
+12V
R OUT
GND
L OUT
+5V
L IN
GND
R IN
CN22
KPE8
To DISPLAY assembly (1/2) J22 (➡ P21)
MULTI ROOM
CLK
DATA
STB2
REAR VOL UP
REAR VOL DOWN
STB1
MUTE
REAR MUTE
CN23
KPE9
To DISPLAY assembly (1/2) J23 (➡ P21)
L IN
GND
R IN
GND
L OUT
GND
R OUT
GND
REAR OUT
GND
CENTER OUT
+5V
-5V
CN24
KPE13
To REAR CENTER VOL assembly J24 (RX-750 SERIES)
To REAR VOL assembly J24 (RX-550 SERIES) (➡ P41)
CENTER VR UP
CENTER VR DOWN
MUTE
REAR MUTE
CENTER MUTE
REAR VR UP
REAR VR DOWN
MAIN VR UP
MAIN VR DOWN
GND
REAR IN
GND
CENTER IN
CN25
KPE13
To REAR CENTER VOL assembly J25 (RX-750 SERIES)
To REAR VOL assembly J25 (RX-550 SERIES) (➡ P41)
R855 10 1/4W
L861 ATH-135
SP902
AKE1012
REAR SP
R854 10 1/4W
L862 ATH-135
SP901
AKE-058
CENTER SP
RX-750 SERIES ONLY
D854, 863-868 : HSS104-02
CN30
KPC7
GND
AC
GND
AC
-12V
-25V
+25V
To POWER assembly (2/2) J1000 (➡ P54)
HP RY
Ⓐ
To HEADPHONE assembly Ⓐ (➡ P55)
B
C
D
E
F

DISPLAY assembly (2/2)(AWZ4050 : RX – 750 SERIES)
(AWZ4062 : RX – 550 SERIES)


To POWER assembly (2/2) CN10 (➡ P54)
-12V:SIG
-25V
+12V:SIG
STOP
MUTE RY
POWER RY
+12V
+5.6V:uCOM
REMOTE
GND
J10
RX – 750 SERIES ONLY
RX – 550 SERIES ONLY
D50 HSS104-02
R125 4.7k
To POWER assembly (1/2) CN11 (➡ P53)
HI SPEED
MOTOR2
MOTOR1
PA1
PA0
PB3
PB2
PB0
PLAY2 LEAF SW
J11
D82 HSS104-02
A(1:7)
B(1:4)
C(1:14)
D(1:9)
E(1:9)
F(1:8)
I(0:3)
Q75
Q74 2SC2458
RN1203
R108 10.0k
R109 100 2W
-18.6
-29.5
-23.9
-13.7
-15.1
R128
C61 220/16
D96
D97
D98
HSS104-02
R59 1/4W
R60 1/4W
R61 1/4W
R64 1/4W
R62 2.2k
F(+)
F(-)
V51 AAV-039
IC51 PDC081A
IC110 MC14052BCP
MUTE RY
PB MUTE
REC MUTE
MUTE
TAPE
STAND BY
VDL IND
4052B
SURROUND,PLO-LOGIC ON/OFF IND
PAUSE
S4/PG0 S3/PH3 Cr02 X 2
S5/PG1 S2/PH2 MECHA PB
S6/PG2
S7/PG3 PB2
S8 S9 S10 S11 S12 S13 S14 S15
S16/T15 S17/T14 S18/T13 S19/T12 S20/T11 S21/T10 S22/T9 S23/T8
T7 T6 T5 T4 T3 T2 T1 T0
X1 COPY
X2 COPY
REMOTE
STOP
STB2
STB1
R65 5.6k
R66 5.6k
HI SPEED
MOTOR2
MOTOR1
DOLBY MODE
BIAS OSC
4052A
LM7001CE
POWER RY
REC Cr02
R59 100
REC
RX – 750 SERIES ONLY
PA1
PA0
TUNED
DATA
CLK
PB3
PB2
RX – 550 SERIES ONLY
D57 HSS104-02
C57 0.047
R92 47k
D61 HSS104-02
NORMAL
PHANTOM
DOLBY ON/OFF
INH
PB0
PB1
X51 ASS1025
R67 10k
C56 0.1/16
C55 0.1/16
R68 10k
Q54 2SC2458
R69 10k
C54 33/16
C53 0.047
C52 47/10
LS1 33U
D62 HSS104-02
R70 1k
C51 ACH1136
R71 10k
C64 0.047
JP99
Q71 RN2201
Q73 RN2203
R80 10.0k
RX – 550 SERIES ONLY
RX – 750 SERIES
JP
DOLBY
DOLBY ON/OFF
PHONO
TUNER
AEL1119
D90
D91
D92
D93
R102 2.7k
R103
C62 33/35
C63 33/35
R87 22k
Q53 2SA1048
D55 HSS104-02
Q69 RN1203
PA1
PB1
S8 S9 S10 S11 S12 S13 S14 S15
MEMORY S51
FM MONO S55
POWER S59
VIDEO AUX S63
F UP S67
TAPE S70
BAND S52
1/13 S56
2/14 S60
F DOWN S64
7/19 S68
TUNER S71
NORMAL/ PHANTOM
11/23 S53
10/22 S57
9/21 S61
8/20 S65
12/24 S69
PHONO S72
PRO-LOGIC
S79
6/18 S54
5/17 S58
4/16 S62
3/15 S66
CD S73
S78
PB0
PB1
PB2
PB3
RX – 750 SERIES ONLY
D51 HSS104-02
D52 HSS104-02
D53 HSS104-02
D54 HSS104-02
R55 10k
R56 10k
R57 10k
R58 10k
R51 4.7k
R52 4.7k
R53 4.7k
R54 4.7k
ASG1034
X25
C(1:4)

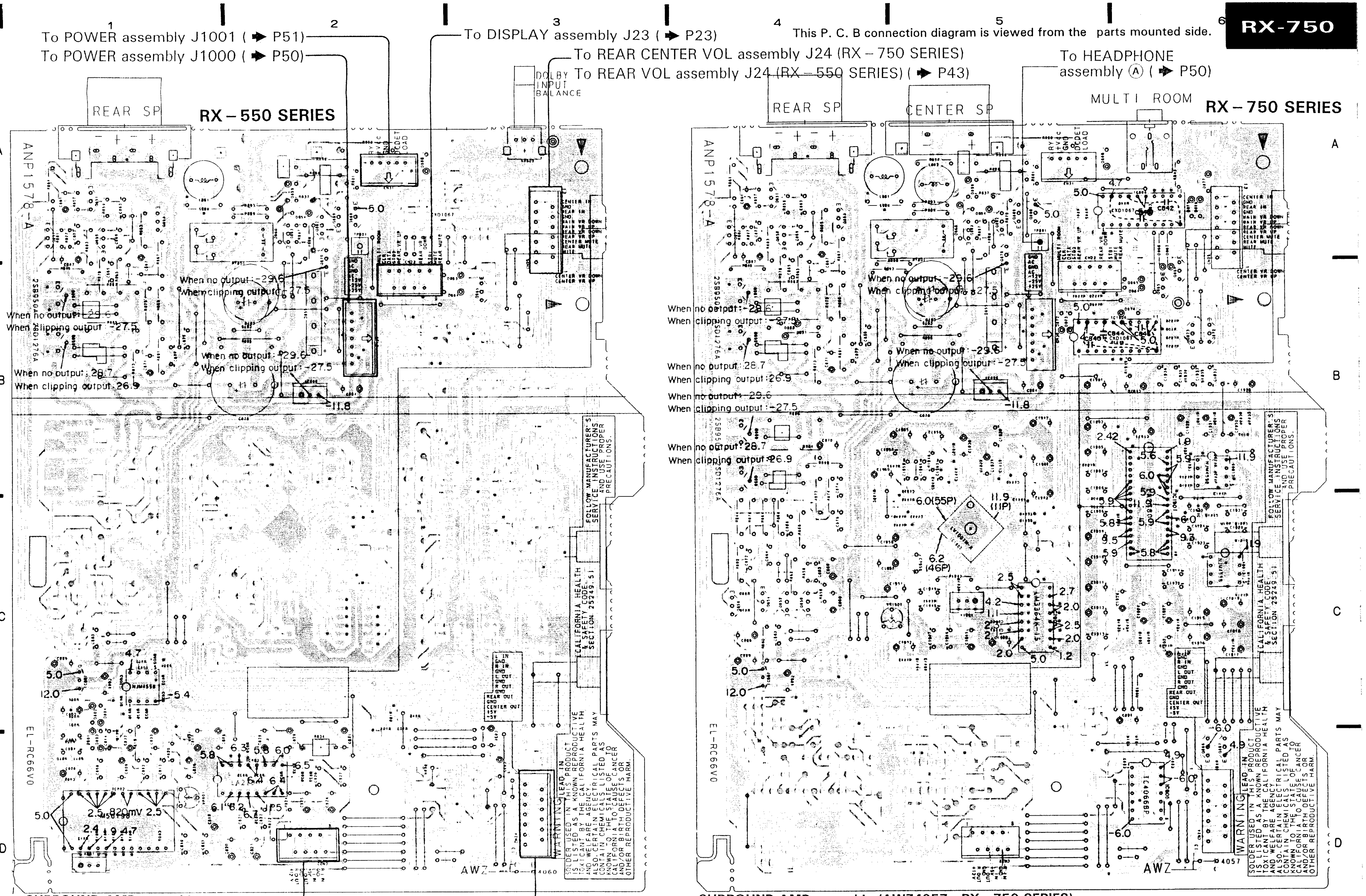

PHONO
TUNER
VIDEO
CD
AEL1119
D90
D91
D92
D93
D94
HSS104-02
D95
Q67
RN1203
Q71
RN2201
RX - 750 SERIES ONLY
D85
HSS104-02
RN2201
Q70
D87
HSS104-02
Q68
D99
D86
C71 4.7/50
R98 10.0k
R99 820
R101
To DISPLAY assembly (1/2) (➡ P22)
PL +12V
GND
+5V
UCOM +5.6V
MUTE
-12V
+12V
STB1
STB2
DATA
CLK
MULTI ROOM
REAR VOL DOWN
REAR VOL UP
REAR MUTE
AXX1023
REMOTE
SURROUND.PLO-LOGIC ON/OFF IND
PAUSE
RN2203
STAND BY
D64
D63
RX - 550 SERIES ONLY
STEREO
TUNED
TAPE
D67
D68
D69
D70
R72 2.2k
R73 270
R74 2.2k
R75 270
R76 2.2k
R77 180
R78 270
AEL1119
AEL1077
Q78
2SC1740S
Q57
2SA1048
4.3
MUTE
Q58
Q59
RN1201
RX - 750 SERIES ONLY
C57 0.047
R92 47k
RX - 550 SERIES ONLY
JP
X1 COPY
X2 COPY
REMOTE
STOP
STB2
STB1
HI SPEED
MOTOR2
MOTOR1
DOLBY MODE
BIAS OSC
4052A
LM7001CE
POWER RY
REC CrO2
REC
PA1
PA0
TUNED
DATA
CLK
R65 5.6k
R66 5.6k
R52 100
RX - 750 SERIES ONLY
NORMAL
PHANTOM
Q55
Q56
D72
D73
D74
R106 270
R105 330
AEL1038
SURROUND.PLO-LOGIC ON/OFF
3.5/12.5
R84 1.5k
C58
RX - 750 SERIES ONLY
LM7001 CE
CLK
DATA
TUNED
STEREO
A
B
INH
J13
R21 10.0k
R22 10.0k
To INPUT assembly (1/2) CN13 (➡ P14)
DOLBY MODE
Q62
Q61
R63 10k
R83 330
VOL IND
DOLBY ON/OFF
J17
ADX1190
D75
VOL IND assembly
BIAS OSC
C60 2.2/50
Q60
2SC2458
R62 1k
R81
C59 22/16
H(1:10)
DECK IND assembly
REC
PAUSE
X1 COPY
X2 COPY
S8
S9
PB1
PB0
J15
D76 AEL1108
D77
D78 AEL1077
D79
D80 AEL1108
R90
R89
S74
S75
S76
S77
DOLBY
PAUSE
NORMAL COPY
HIGH SPEED COPY
ASG1034
X4
HI SPEED
BIAS OSC
REC CrO2
REC MUTE
DB ON/OFF
PB MUTE
PB2
2MECHA PB
CrO2 X 2
DB MODE
Nr X 2
J14
C22 2.2/50
C21 2.2/50
To INPUT assembly (1/2) CN14 (➡ P14)
D49 1SS252
R23 100
R24 10k
C50 4.7/50
RN2203
Q72
2SA1048
Q76
R47
R48 100
C67
Q77
RN2203
Q51
RN2203
RX - 550 SERIES ONLY
D57
I(0:3)
PB3
PB2
PB1
PB0
L51 33μ
D62
C54 33/16
C53 0.047
C52 47/10
C51 ACH1135
R71 10k
JP99
C64 0.047
F(1:8)
S14
S15
TAPE
TUNER
PHONO
CD
S70
S71
S72
S73
D51
D52
D53
D54
HSS104-02
R51 4.7k
R52 4.7k
R53 4.7k
R54 4.7k
R57
R58

NOTE)

RX - 750 SERIES : RX - 750/KUC, RX - 750S/KUC, KUC/CA, RX - 751/KU

RX - 550 SERIES : RX - 550/KUC, KUC/CA, RX - 551KU

This P. C. B connection diagram is viewed from the parts mounted side.

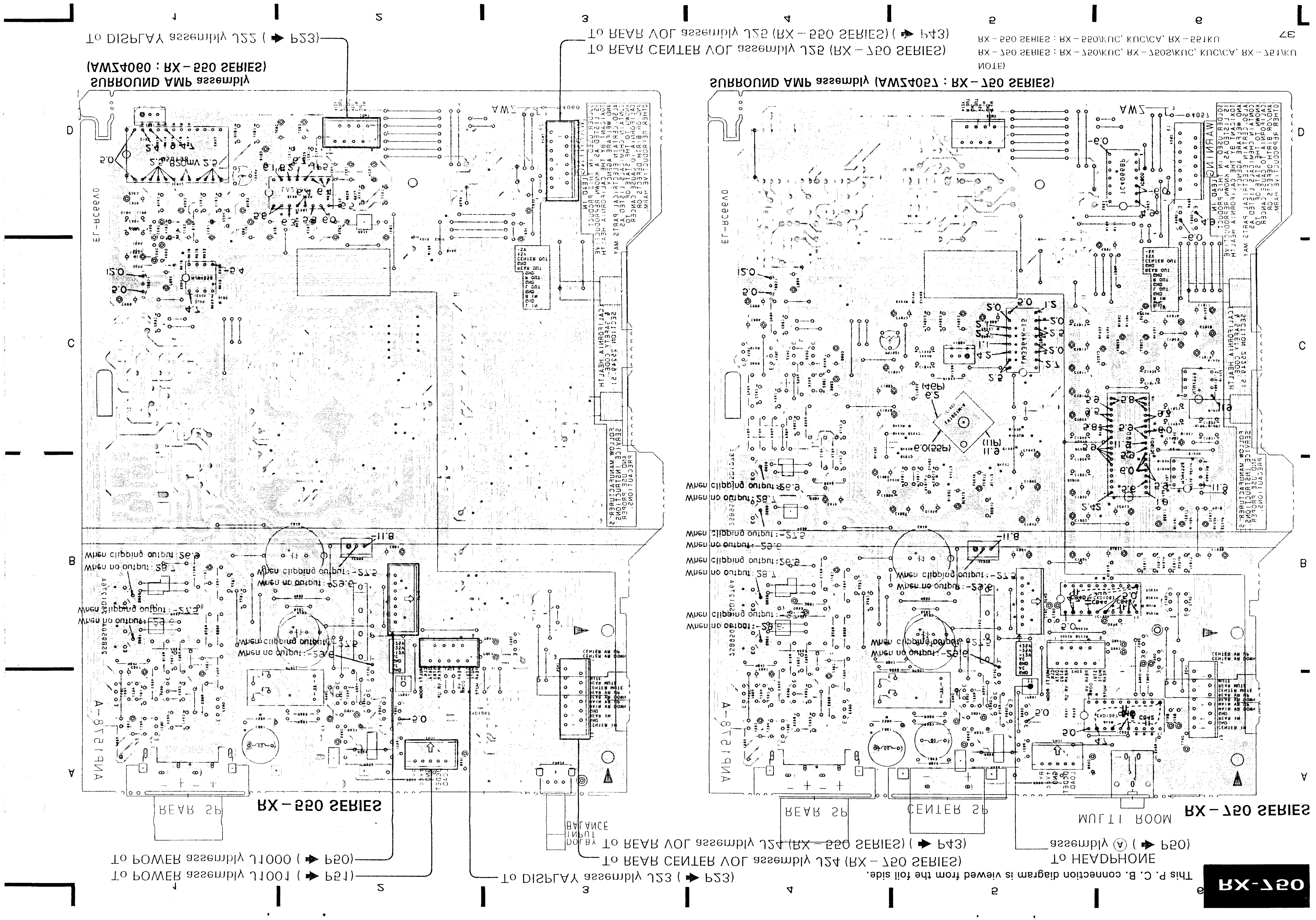

1
2
3
4
5
6
A
B
C
D
To POWER assembly J1001 (➡ P51)
To POWER assembly J1000 (➡ P50)
To DISPLAY assembly J23 (➡ P23)
To REAR CENTER VOL assembly J24 (RX – 750 SERIES)
To REAR VOL assembly J24 (RX – 550 SERIES) (➡ P43)
To HEADPHONE assembly Ⓐ (➡ P50)
RX – 550 SERIES
RX – 750 SERIES
REAR SP
CENTER SP
MULTI ROOM
DOLBY INPUT BALANCE
ANP1578-A
EL-RC66V0
When no output : -29.6
When clipping output : -27.5
When no output : -29.6
When clipping output : -27.5
When no output : 28.7
When clipping output : 26.9
When no output : -29.6
When clipping output : -27.5
When no output : 28.7
When clipping output : 26.9
-11.8
6.0(55P)
11.9 (11P)
6.2 (46P)
FOLLOW MANUFACTURER'S SERVICE INSTRUCTIONS AND USE PROPER PRECAUTIONS.
CALIFORNIA HEALTH & SAFETY CODE SECTION 25249.51
WARNING LEAD IN SOLDER USED IN THIS PRODUCT IS LISTED AS A KNOWN REPRODUCTIVE TOXICANT BY THE CALIFORNIA HEALTH AND WELFARE AGENCY. ALSO, CERTAIN ELECTRICAL PARTS MAY CONTAIN CHEMICALS LISTED AS KNOWN IN THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
AWZ4060
AWZ4057
To DISPLAY assembly J22 (➡ P23)
To REAR CENTER VOL assembly J25 (RX – 750 SERIES)
To REAR VOL assembly J25 (RX – 550 SERIES) (➡ P43)

SURROUND AMP assembly
(AWZ4060 : RX – 550 SERIES)

SURROUND AMP assembly (AWZ4057 : RX – 750 SERIES)

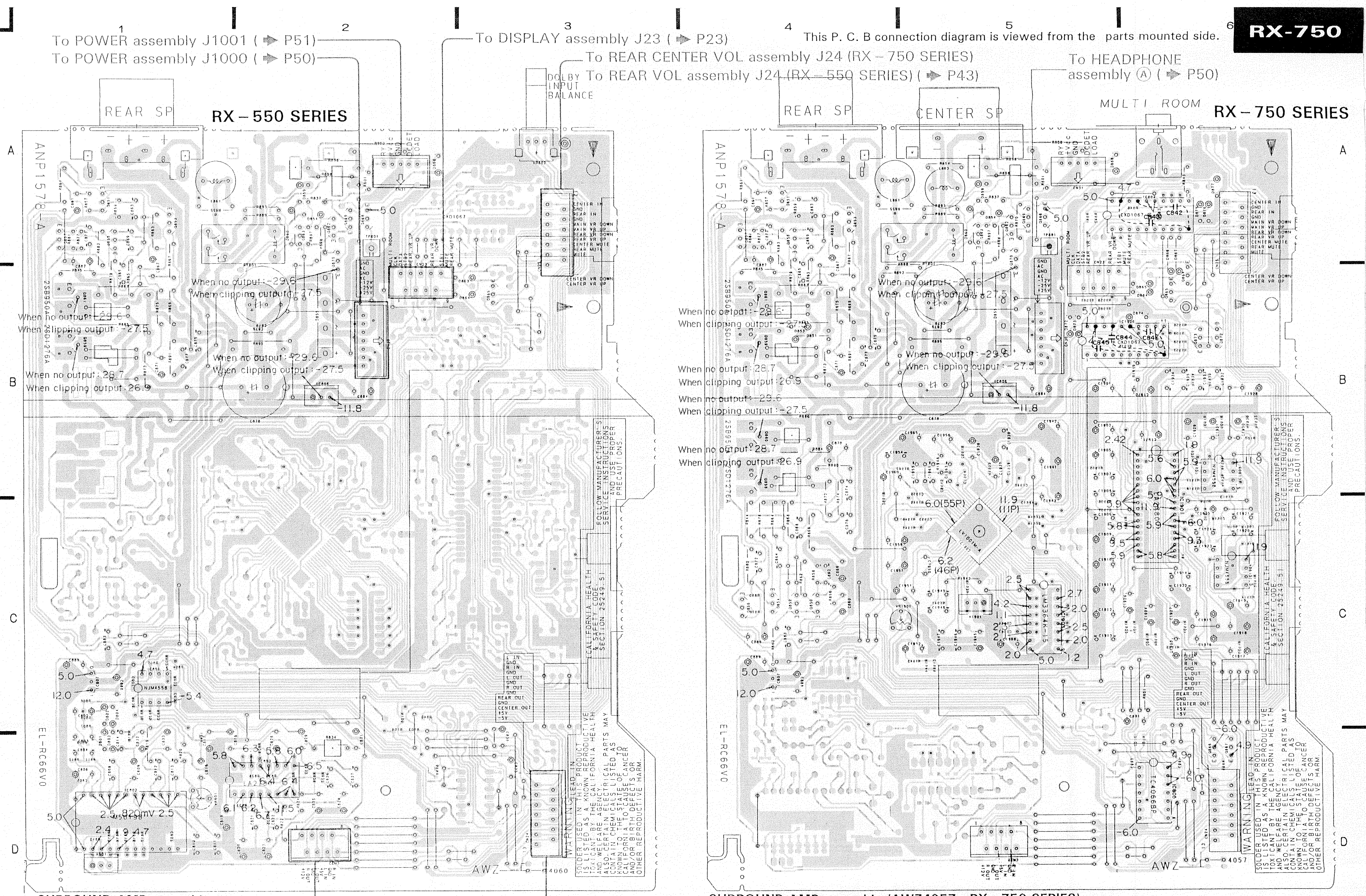
NOTE)
RX – 750 SERIES : RX – 750/KUC, RX – 750S/KUC, KUC/CA, RX – 751/KU
RX – 550 SERIES : RX – 550/KUC, KUC/CA, RX – 551KU

NOTE)
RX – 750 SERIES : RX – 750/KUC, RX – 750S/KUC, KUC/CA, RX – 751/KU
RX – 550 SERIES : RX – 550/KUC, KUC/CA, RX – 551/KU


To DISPLAY assembly J22 (➡ P23)
SURROUND AMP assembly (AWZ4060 : RX – 550 SERIES)
To REAR VOL assembly J25 (RX – 550 SERIES) (➡ P43)
To REAR CENTER VOL assembly J25 (RX – 750 SERIES)
SURROUND AMP assembly (AWZ4057 : RX – 750 SERIES)
When clipping output : 26.9
When no output : 28.7
When clipping output : –27.5
When no output : –29.6
-11.8
REAR SP
RX – 550 SERIES
DOLBY INPUT BALANCE
CENTER SP
MULTI ROOM
RX – 750 SERIES
To POWER assembly J1000 (➡ P50)
To POWER assembly J1001 (➡ P51)
To DISPLAY assembly J23 (➡ P23)
To REAR VOL assembly J24 (RX – 550 SERIES) (➡ P43)
To REAR CENTER VOL assembly J24 (RX – 750 SERIES)
To HEADPHONE assembly Ⓐ (➡ P50)
A
B
C
D
1
2
3
4
5
6

This P. C. B. connection diagram is viewed from the foil side.

This P. C. B connection diagram is viewed from the parts mounted side.


To POWER assembly J1001 (→ P51)
To POWER assembly J1000 (→ P50)
To DISPLAY assembly J23 (→ P23)
To REAR CENTER VOL assembly J24 (RX-750 SERIES)
To REAR VOL assembly J24 (RX-550 SERIES) (→ P43)
To HEADPHONE assembly Ⓐ (→ P50)
DOLBY INPUT BALANCE
REAR SP
CENTER SP
MULTI ROOM
RX-550 SERIES
RX-750 SERIES
ANP1578-A
EL-RC66V0
When no output: -29.6
When clipping output: -27.5
When no output: 28.7
When clipping output: 26.9
-11.8
5.0
12.0
4.7
-5.4
AWZ-4060
AWZ-4057
1
2
3
4
5
6
A
B
C
D

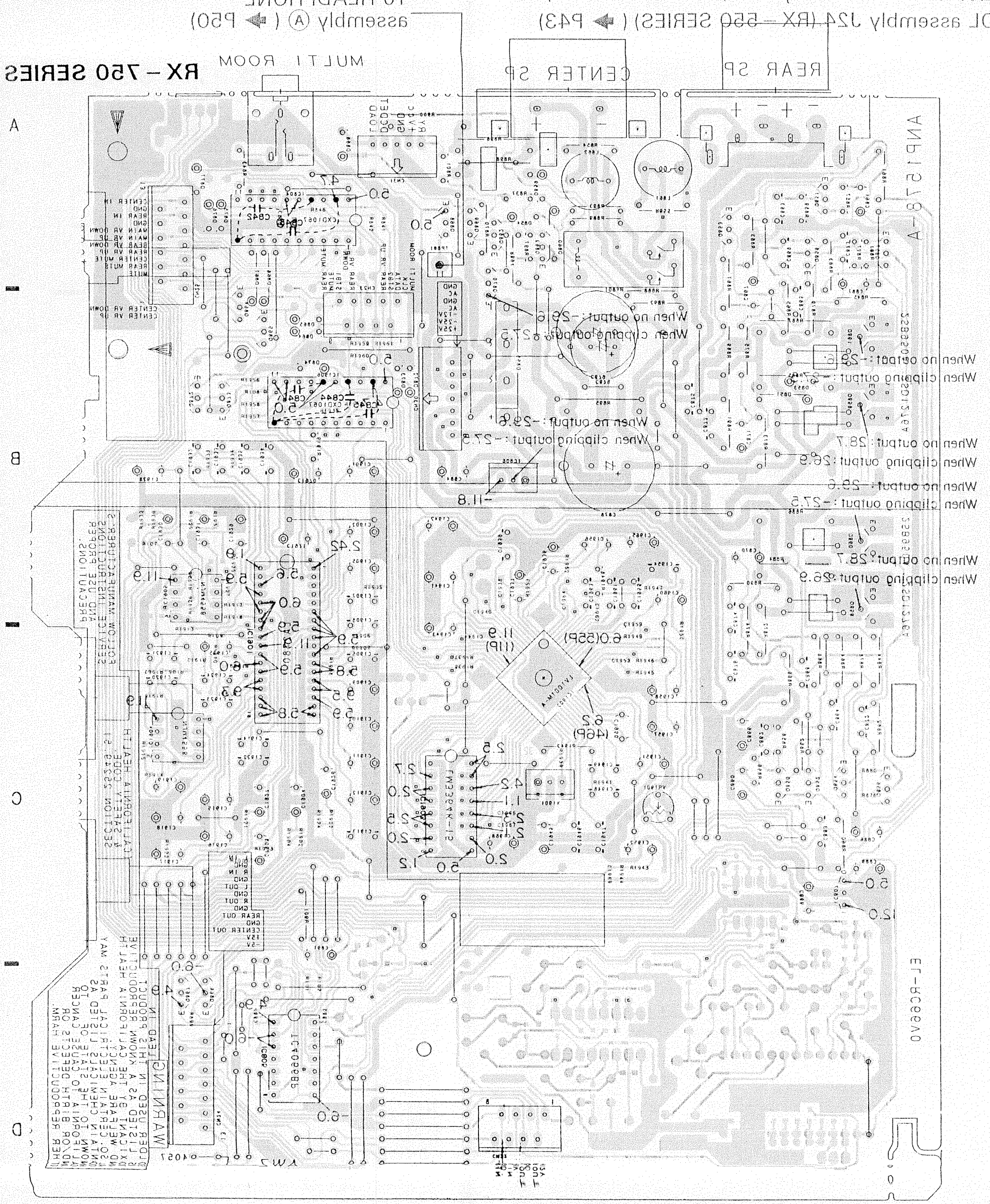
SURROUND AMP assembly
(AWZ4060 : RX-550 SERIES)

SURROUND AMP assembly (AWZ4057 : RX-750 SERIES)

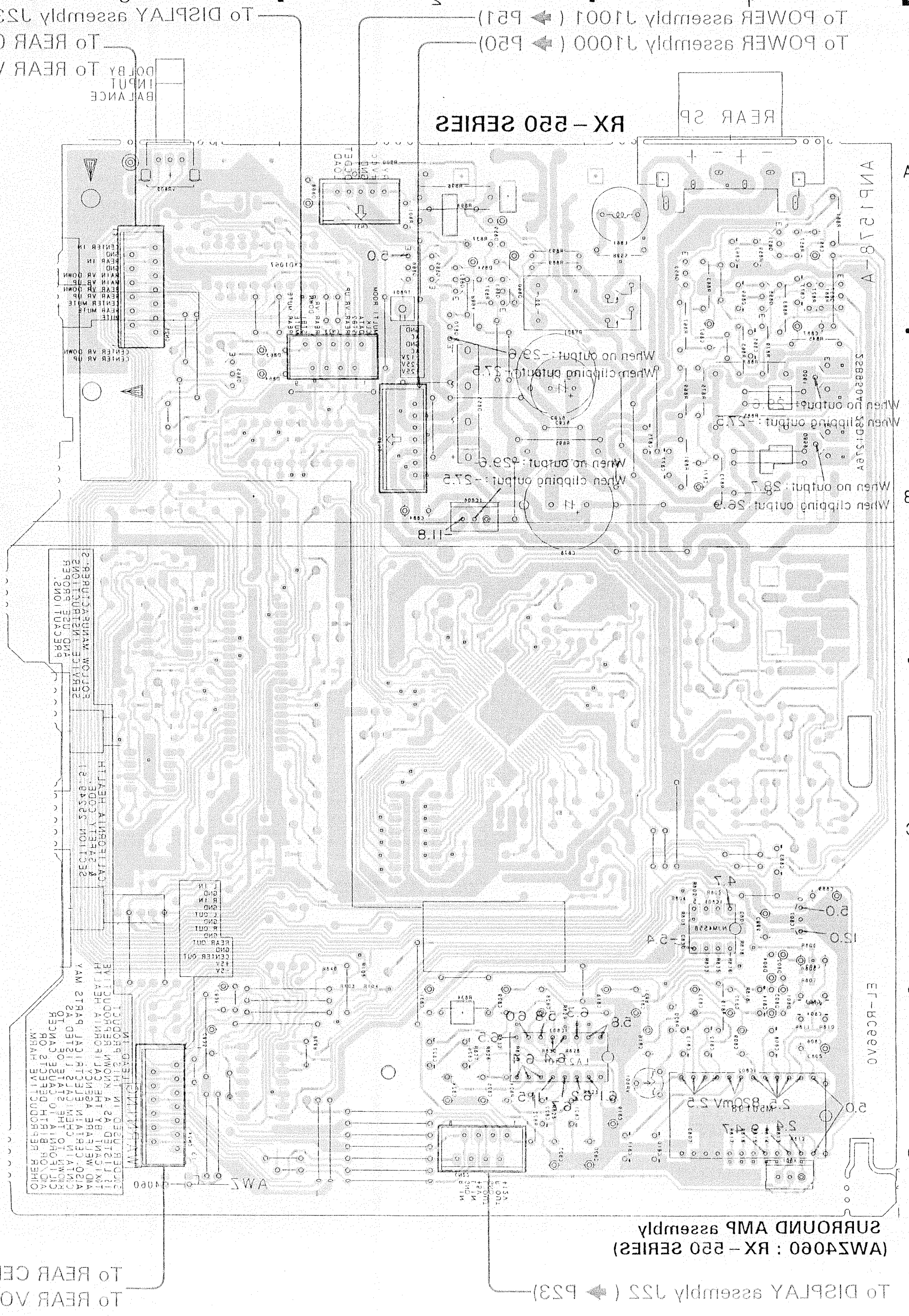
To DISPLAY assembly J22 (→ P23)
To REAR CENTER VOL assembly J25 (RX-750 SERIES)
To REAR VOL assembly J25 (RX-550 SERIES) (→ P43)

NOTE)
RX-750 SERIES : RX-750/KUC, RX-750S/KUC, KUC/CA, RX-751/KU
RX-550 SERIES : RX-550/KUC, KUC/CA, RX-551KU

This P. C. B. connection diagram is viewed from the foil side.


To HEADPHONE assembly Ⓐ (➡ P50)
To REAR CENTER VOL assembly J24 (RX-750 SERIES)
To REAR VOL assembly J24 (RX-550 SERIES) (➡ P43)
RX-750 SERIES
MULTI ROOM
CENTER SP
REAR SP
ANP1578-A
When no output : -29.6
When clipping output : -27.5
When no output : 28.7
When clipping output : 26.9
11.8
11.9
6.0
5.0
12.0
EL-RC6690

SURROUND AMP assembly (AWZ4057 : RX-750 SERIES)

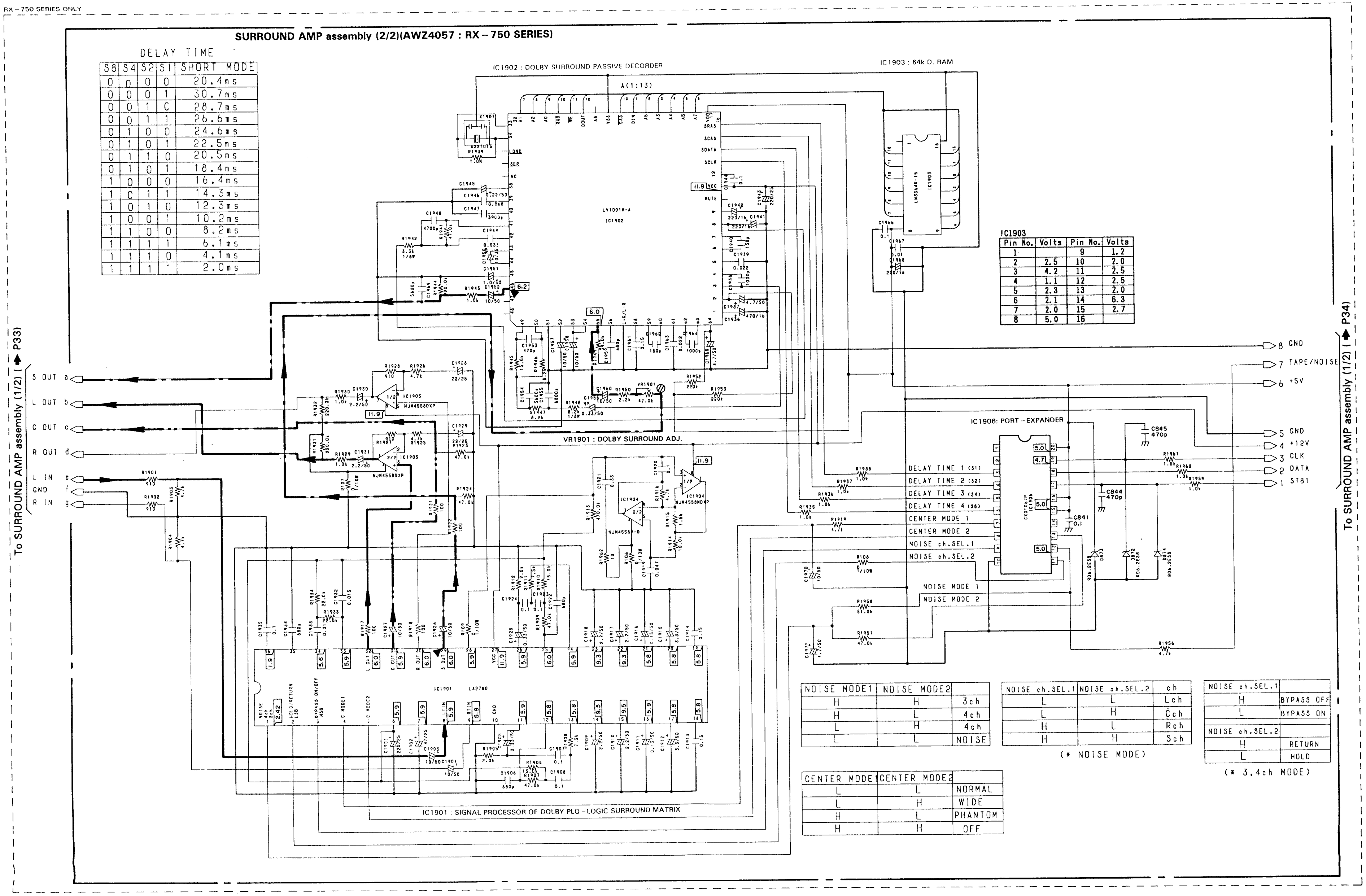

To DISPLAY assembly J23 (➡ P23)
DOLBY INPUT BALANCE
To POWER assembly J1001 (➡ P51)
To POWER assembly J1000 (➡ P50)
RX-550 SERIES
REAR SP
ANP1578-A
When no output : -29.6
When clipping output : -27.5
When no output : 28.7
When clipping output : 26.9
11.8
5.0
12.0
EL-RC6690
To REAR CENTER VOL assembly J25 (RX-750 SERIES)
To REAR VOL assembly J25 (RX-550 SERIES) (➡ P43)
To DISPLAY assembly J22 (➡ P23)

SURROUND AMP assembly
(AWZ4060 : RX-550 SERIES)

NOTE)
RX-750 SERIES : RX-750/KUC, RX-750S/KUC, KUC/CA, RX-751/KU
RX-550 SERIES : RX-550/KUC, RX-550S/KUC, KUC/CA, RX-551/KU

RX-750 SERIES ONLY

SURROUND AMP assembly (2/2)(AWZ4057 : RX-750 SERIES)


IC1902 : DOLBY SURROUND PASSIVE DECORDER
IC1903 : 64k D. RAM
A(1:13)
X1901
LV1001M-A
IC1902
LH2464-15
VR1901 : DOLBY SURROUND ADJ.
IC1906: PORT-EXPANDER
IC1905 NJM4558DXP
IC1904 NJM4558DXP
IC1901 LA2780
IC1901 : SIGNAL PROCESSOR OF DOLBY PLO-LOGIC SURROUND MATRIX
To SURROUND AMP assembly (1/2) (P33)
S OUT a
L OUT b
C OUT c
R OUT d
L IN e
GND f
R IN g
To SURROUND AMP assembly (1/2) (P34)
8 GND
7 TAPE/NOISE
6 +5V
5 GND
4 +12V
3 CLK
2 DATA
1 STB1
DELAY TIME 1 (31)
DELAY TIME 2 (32)
DELAY TIME 3 (34)
DELAY TIME 4 (38)
CENTER MODE 1
CENTER MODE 2
NOISE ch.SEL.1
NOISE ch.SEL.2
NOISE MODE 1
NOISE MODE 2
C845 470p
C844 470p
C841 0.1

DELAY TIME

S8	S4	S2	S1	SHORT MODE
0	0	0	0	20.4ms
0	0	0	1	30.7ms
0	0	1	C	28.7ms
0	0	1	1	26.6ms
0	1	0	0	24.6ms
0	1	0	1	22.5ms
0	1	1	0	20.5ms
0	1	0	1	18.4ms
1	0	0	0	16.4ms
1	0	1	1	14.3ms
1	0	1	0	12.3ms
1	0	0	1	10.2ms
1	1	0	0	8.2ms
1	1	1	1	6.1ms
1	1	1	0	4.1ms
1	1	1	1	2.0ms

IC1903

Pin No.	Volts	Pin No.	Volts
1		9	1.2
2	2.5	10	2.0
3	4.2	11	2.5
4	1.1	12	2.5
5	2.3	13	2.0
6	2.1	14	6.3
7	2.0	15	2.7
8	5.0	16	

NOISE MODE1	NOISE MODE2	
H	H	3ch
H	L	4ch
L	H	4ch
L	L	NOISE

NOISE ch.SEL.1	NOISE ch.SEL.2	ch
L	L	Lch
L	H	Ċch
H	L	Rch
H	H	Sch

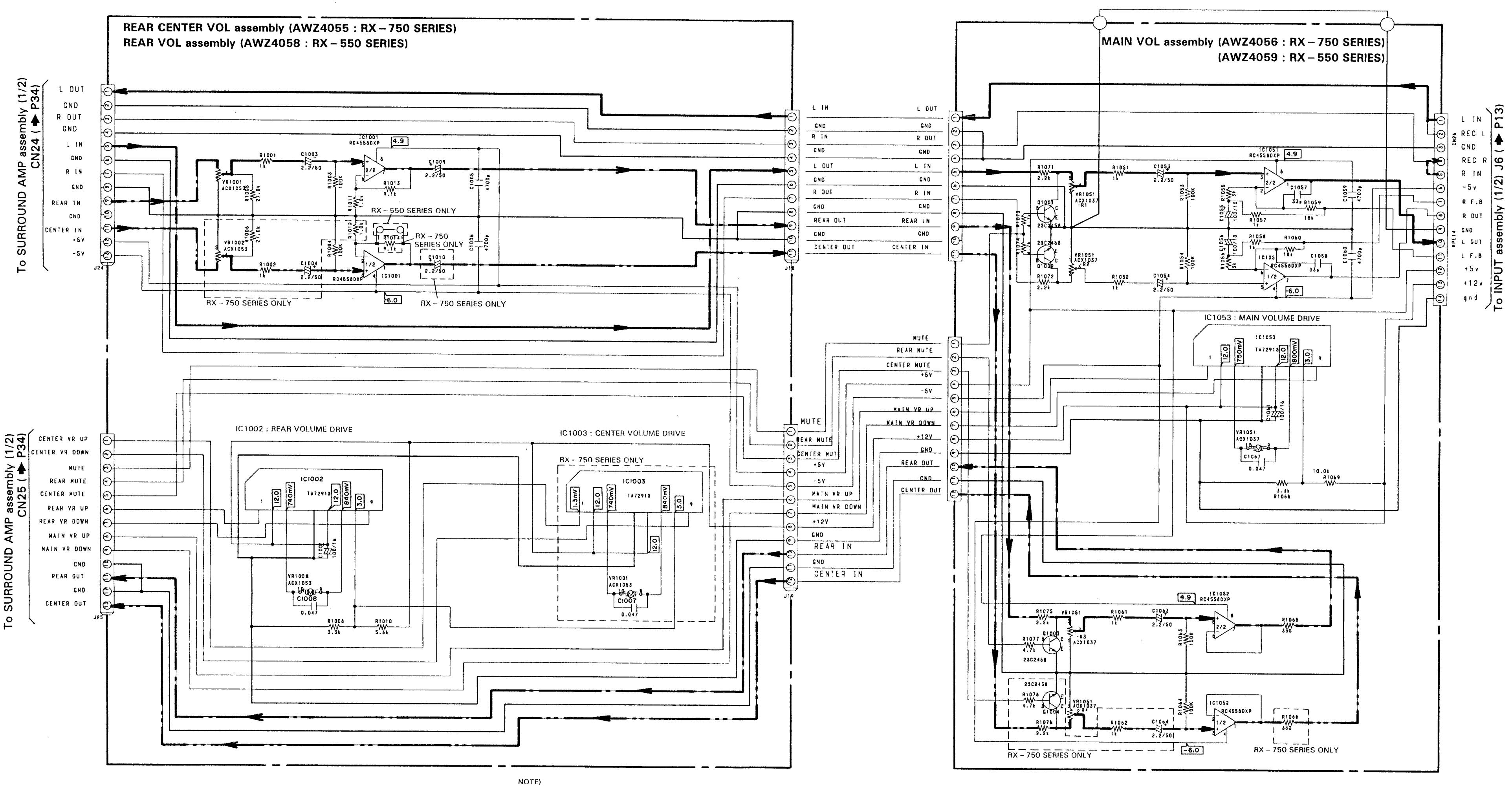
(* NOISE MODE)

NOISE ch.SEL.1	
H	BYPASS OFF
L	BYPASS ON
NOISE ch.SEL.2	
H	RETURN
L	HOLD

(* 3.4ch MODE)

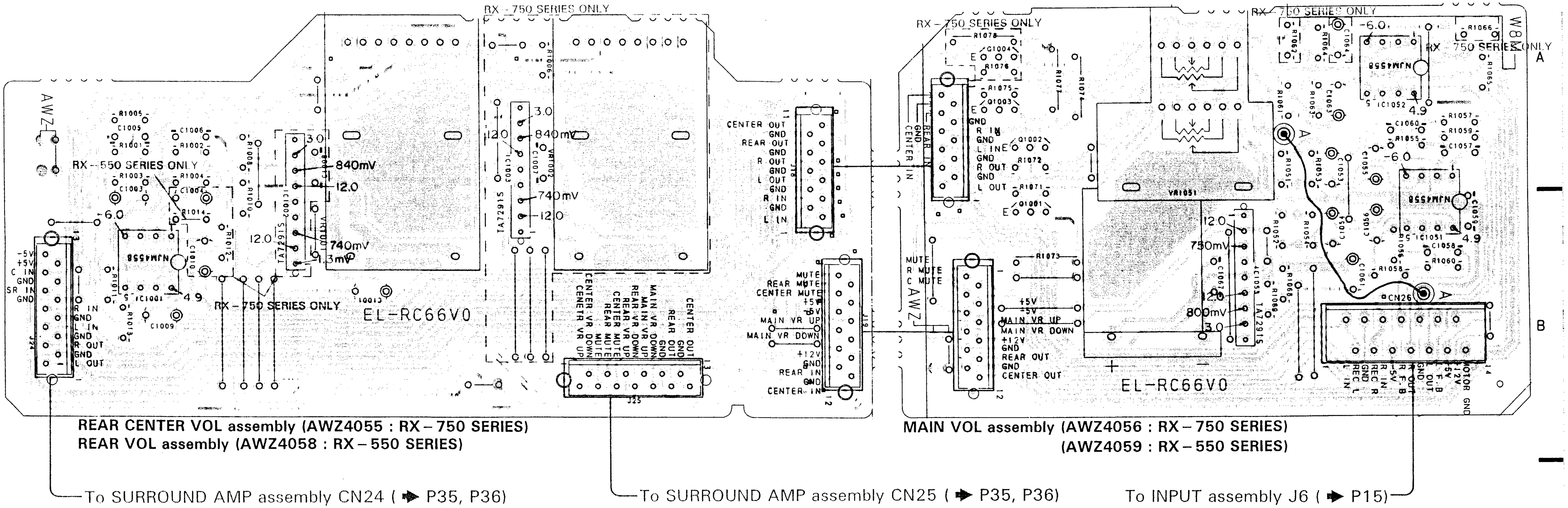
CENTER MODE1	CENTER MODE2	
L	L	NORMAL
L	H	WIDE
H	L	PHANTOM
H	H	OFF

5.5 REAR CENTER VOL ASSEMBLY, REAR VOL ASSEMBLY AND MAIN VOL ASSEMBLY


REAR CENTER VOL assembly (AWZ4055 : RX – 750 SERIES)
REAR VOL assembly (AWZ4058 : RX – 550 SERIES)
MAIN VOL assembly (AWZ4056 : RX – 750 SERIES)
(AWZ4059 : RX – 550 SERIES)
To SURROUND AMP assembly (1/2) CN24 (➡ P34)
L OUT
GND
R OUT
GND
L IN
GND
R IN
GND
REAR IN
GND
CENTER IN
+5V
-5V
J24
IC1001
RC4558DXP
4.9
-6.0
R1001
1k
C1003
2.2/50
R1003
100K
R1013
9.1k
C1009
2.2/50
C1005
4700p
C1006
4700p
VR1001
ACX1053
R1005
27.0k
VR1002
ACX1053
R1006
27.0k
R1011
1.0k
R1012
1.0k
R1004
100K
R1002
1k
C1004
2.2/50
RTOT41
9.1k
C1010
2.2/50
RX – 550 SERIES ONLY
RX – 750 SERIES ONLY
RX – 750 SERIES ONLY
RX – 750 SERIES ONLY
J18
L IN
GND
R IN
GND
L OUT
GND
R OUT
GND
REAR OUT
GND
CENTER OUT
L OUT
GND
R OUT
GND
L IN
GND
R IN
GND
REAR IN
GND
CENTER IN
To SURROUND AMP assembly (1/2) CN25 (➡ P34)
CENTER VR UP
CENTER VR DOWN
MUTE
REAR MUTE
CENTER MUTE
REAR VR UP
REAR VR DOWN
MAIN VR UP
MAIN VR DOWN
GND
REAR OUT
GND
CENTER OUT
J25
IC1002 : REAR VOLUME DRIVE
IC1002
TA72913
12.0
740mV
12.0
840mV
3.0
C1001
100/16
VR1002
ACX1053
C1008
0.047
R1008
3.3k
R1010
5.6k
IC1003 : CENTER VOLUME DRIVE
RX – 750 SERIES ONLY
IC1003
TA72913
1.3mV
12.0
740mV
840mV
3.0
12.0
VR1001
ACX1053
C1007
0.047
J16
MUTE
REAR MUTE
CENTER MUTE
+5V
-5V
MAIN VR UP
MAIN VR DOWN
+12V
GND
REAR IN
GND
CENTER IN
MUTE
REAR MUTE
CENTER MUTE
+5V
-5V
MAIN VR UP
MAIN VR DOWN
+12V
GND
REAR OUT
GND
CENTER OUT
R1071
2.2k
R1072
2.2k
R1073
4.7k
R1074
4.7k
Q1001
Q1002
2SC2458
2SC2458
VR1051
ACX1037
-R1
VR1051
ACX1037
-R2
R1051
1k
R1052
1k
C1053
2.2/50
C1054
2.2/50
R1053
100K
R1054
100K
IC1051
RC4558DXP
4.9
-6.0
R1055
3k
R1056
3k
C1055
100/10
C1056
100/10
R1057
1k
R1058
1k
R1059
18k
R1060
18k
C1057
33p
C1058
33p
C1059
4700p
C1060
4700p
CN26
KPE14
L IN
REC L
GND
REC R
R IN
-5v
R F.B
R OUT
GND
L OUT
L F.B
+5v
+12v
gnd
To INPUT assembly (1/2) J6 (➡ P13)
IC1053 : MAIN VOLUME DRIVE
IC1053
TA72913
12.0
750mV
12.0
800mV
3.0
C1061
100/16
VR1051
ACX1037
C1067
0.047
R1069
10.0k
R1068
3.3k
R1075
2.2k
R1077
4.7k
Q1003
2SC2458
VR1051
-R3
ACX1037
R1061
1k
C1063
2.2/50
R1063
100K
IC1052
RC4558DXP
4.9
R1065
330
2SC2458
R1078
4.7k
Q1004
VR1051
ACX1037
-R4
R1076
2.2k
R1062
1k
C1064
2.2/50
R1064
100K
IC1052
RC4558DXP
-6.0
R1066
330
RX – 750 SERIES ONLY
RX – 750 SERIES ONLY

NOTE)
RX – 750 SERIES : RX – 750/KUC, RX – 750S/KUC, KUC/CA, RX – 751/KU
RX – 550 SERIES : RX – 550/KUC, KUC/CA, RX – 551KU

NOTE)
RX－750 SERIES：RX－750/KUC, RX－750S/KUC, KUC/CA, RX－751/KU
RX－550 SERIES：RX－550/KUC, KUC/CA, RX－551KU


A
B
RX－750 SERIES ONLY
RX－550 SERIES ONLY
AWZ
R1005
C1005
R1001
C1006
R1002
R1003
C1003
R1004
C1004
R1014
NJM4558
IC1001
C1009
R1013
6.0
4.9
3.0
840mV
12.0
740mV
1.3mV
12.0
840mV
740mV
12.0
TA7291S
VR1002
VR1001
EL－RC66V0
-5V
+5V
C IN
GND
SR IN
GND
R IN
GND
L IN
GND
R OUT
GND
L OUT
J24
J25
J18
J19
CENTER OUT
GND
REAR OUT
GND
R OUT
GND
L OUT
GND
R IN
GND
L IN
MUTE
REAR MUTE
CENTER MUTE
+5V
+5V
MAIN VR UP
MAIN VR DOWN
+12V
GND
REAR IN
GND
CENTER IN
CENTER OUT
REAR OUT
GND
MAIN VR UP
MAIN VR DOWN
REAR VR UP
REAR VR DOWN
REAR MUTE
CENTER MUTE
CENTER VR DOWN
CENTER VR UP
CENTER IN
GND
REAR IN
R IN
GND
L INE
GND
R OUT
GND
L OUT
Q1001
Q1002
Q1003
Q1004
R1071
R1072
R1073
R1075
R1076
R1077
R1078
MUTE
R MUTE
C MUTE
+5V
+5V
MAIN VR UP
MAIN VR DOWN
+12V
GND
REAR OUT
GND
CENTER OUT
VR1051
12.0
750mV
800mV
3.0
IC1053
TA7291S
-6.0
-6.0
4.9
4.9
NJM4558
IC1051
IC1052
C1057
C1058
C1059
C1060
R1055
R1056
R1057
R1058
R1059
R1060
R1061
R1062
R1064
R1065
R1066
R1068
A
CN26
W8
L IN
REC L
GND
REC R
R IN
-5V
R F.B
R OUT
GND
L OUT
L F.B
+5V
MOTOR
GND
EL－RC66V0
+

REAR CENTER VOL assembly (AWZ4055 : RX－750 SERIES)
REAR VOL assembly (AWZ4058 : RX－550 SERIES)

MAIN VOL assembly (AWZ4056 : RX－750 SERIES)
(AWZ4059 : RX－550 SERIES)

To SURROUND AMP assembly CN24 (➧ P35, P36)

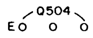
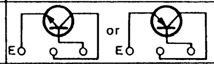
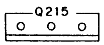
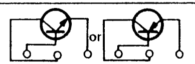
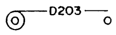
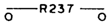
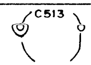
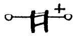
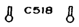
To SURROUND AMP assembly CN25 (➧ P35, P36)

To INPUT assembly J6 (➧ P15)

This P. C. B connection diagram is viewed from the parts mounted side.

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

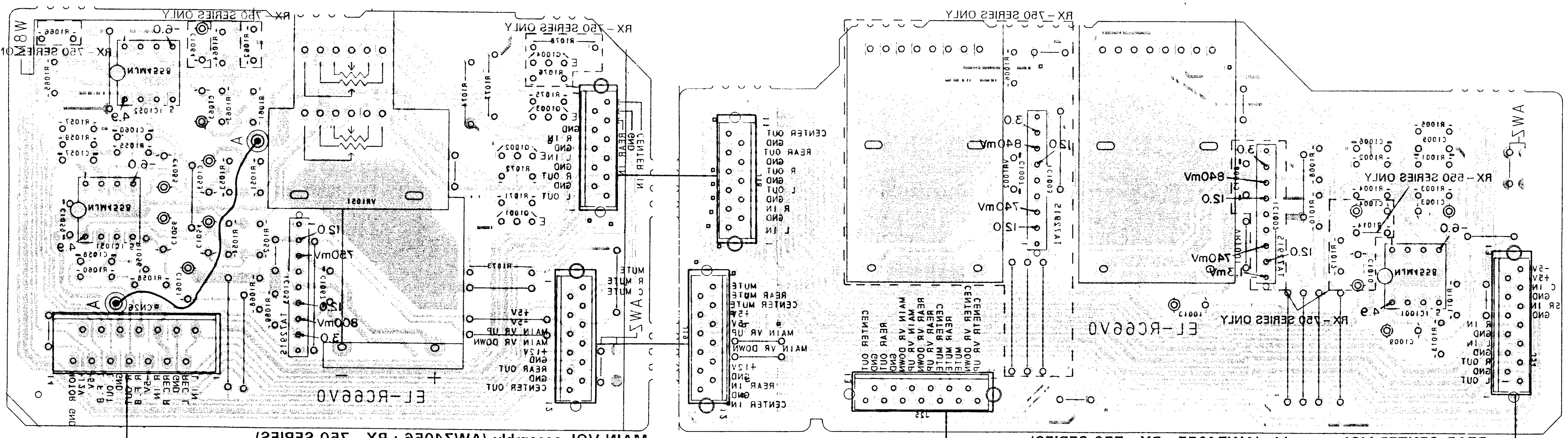
P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
 Q504 E	 E or E	Transistor
 Q215	 or	Radiator type transistor
 D203	D203	Diode
 R237	R237	Resistor
 C513		Capacitor (Polarized)
 C518		Capacitor (Non-polarized)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capactor terminal marked with ◎ (double circles) shows negatine terminal.
4. The diode terminal marked with ◎ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

NOTE)
RX – 750 SERIES : RX – 750/KUC, RX – 750S/KUC, KUC/CA, RX – 751/KU
RX – 550 SERIES : RX – 550/KUC, KUC/CA, RX – 551KU


RX – 750 SERIES ONLY
RX – 750 SERIES
RX – 550 SERIES ONLY
W8M
AWZ
-6.0
4.9
12.0
750mV
800mV
3.0
840mV
740mV
1.3mV
VR1051
EL-RC66V0
CN26
J25
J24
CENTER OUT
GND
REAR OUT
R OUT
L OUT
R IN
L IN
MUTE
R MUTE
C MUTE
REAR MUTE
CENTER MUTE
+5V
-5V
MAIN VR UP
MAIN VR DOWN
+12V
CENTER IN
REAR IN
MOTOR GND

MAIN VOL assembly (AWZ4056 : RX – 750 SERIES)
(AWZ4059 : RX – 550 SERIES)

REAR CENTER VOL assembly (AWZ4055 : RX – 750 SERIES)
REAR VOL assembly (AWZ4058 : RX – 550 SERIES)

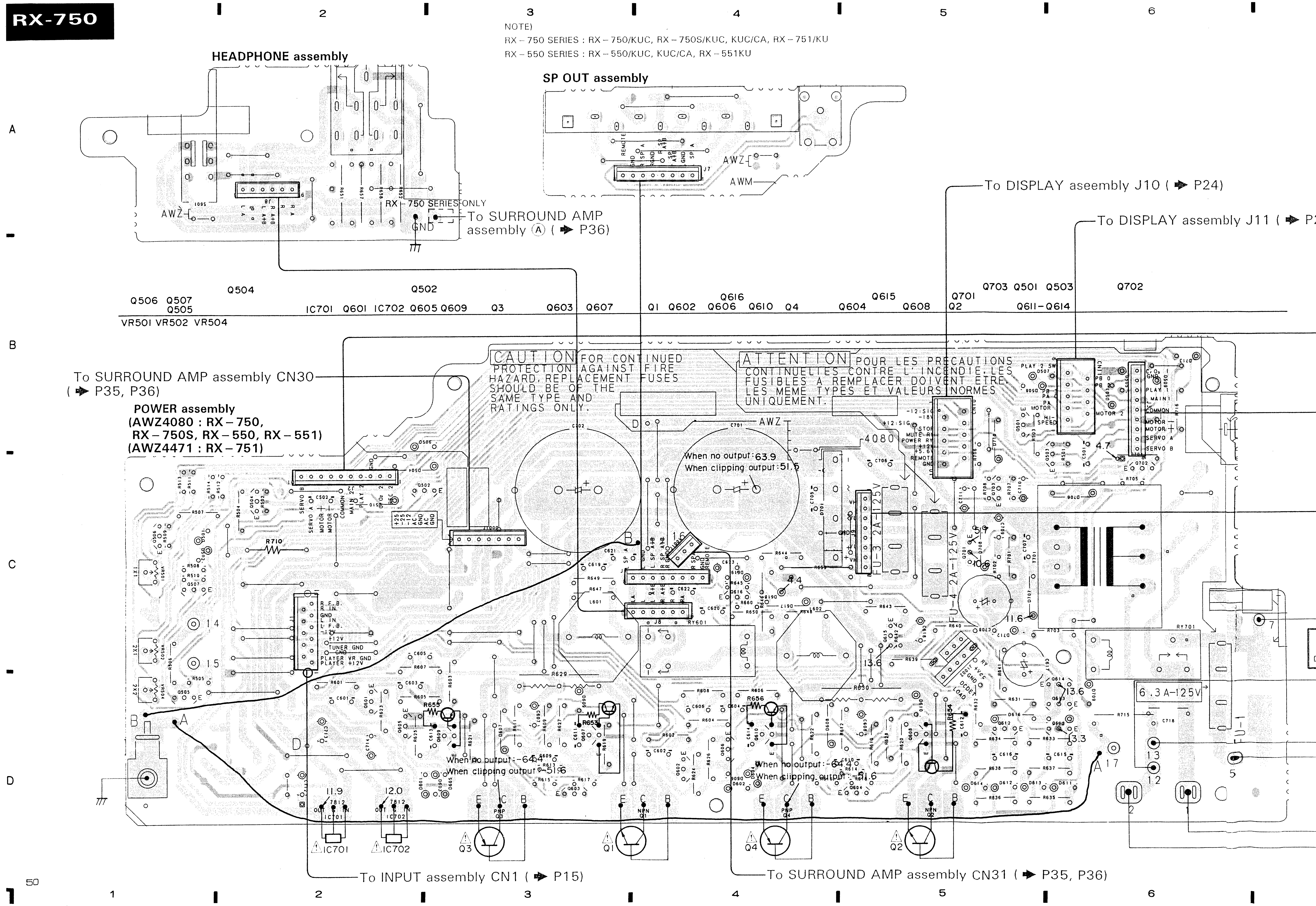
To INPUT assembly J6 (◀ P15)

To SURROUND AMP assembly CN25 (◀ P35, P36)

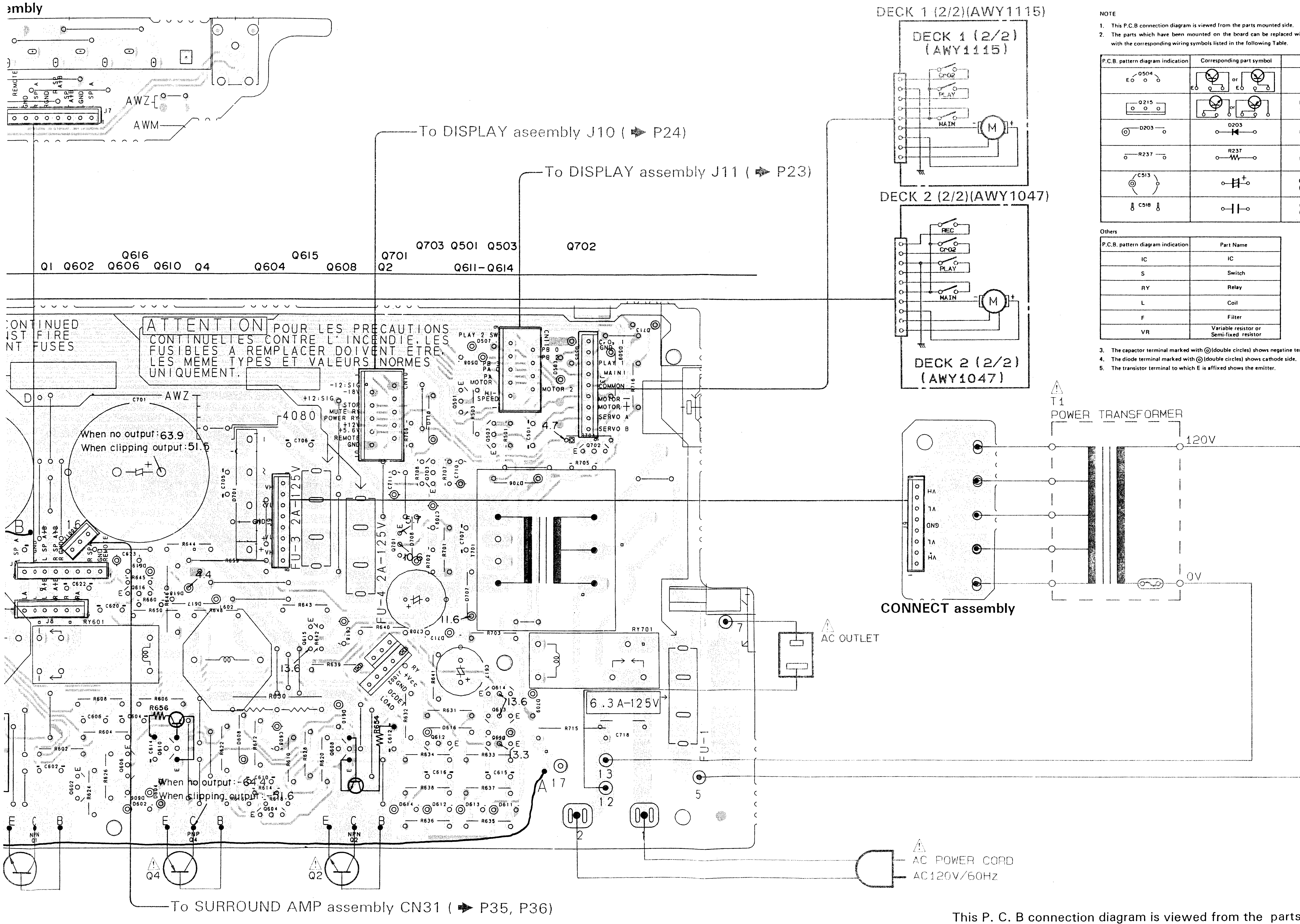
To SURROUND AMP assembly CN24 (◀ P35, P36)

This P. C. B. connection diagram is viewed from the foil side.

NOTE)
RX – 750 SERIES : RX – 750/KUC, RX – 750S/KUC, KUC/CA, RX – 751/KU
RX – 550 SERIES : RX – 550/KUC, KUC/CA, RX – 551KU


1
2
3
4
5
6
A
B
C
D
HEADPHONE assembly
SP OUT assembly
AWZ
AWM
J8
J7
RX – 750 SERIES ONLY
GND
To SURROUND AMP assembly Ⓐ (➧ P36)
To DISPLAY aseembly J10 (➧ P24)
To DISPLAY assembly J11 (➧ P
Q506 Q507 Q505
Q504
Q502
VR501 VR502 VR504
IC701 Q601 IC702 Q605 Q609
Q3
Q603 Q607
Q1 Q602 Q616 Q606 Q610 Q4
Q604 Q615 Q608
Q701 Q2
Q703 Q501 Q503
Q611–Q614
Q702
To SURROUND AMP assembly CN30 (➧ P35, P36)
POWER assembly
(AWZ4080 : RX – 750, RX – 750S, RX – 550, RX – 551)
(AWZ4471 : RX – 751)
CAUTION FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.
ATTENTION POUR LES PRECAUTIONS CONTINUELLES CONTRE L'INCENDIE, LES FUSIBLES A REMPLACER DOIVENT ETRE LES MEME TYPES ET VALEURS NORMES UNIQUEMENT.
AWZ
-4080
When no output : 63.9
When clipping output : 51.5
FU-3 2A-125V
FU-4 2A-125V
6.3A-125V
FU-1
R710
14
15
16
4.4
11.6
10.6
5.7
13.6
4.7
3.3
13.6
When no output : -64.4
When clipping output : -51.6
When no output : -64.4
When clipping output : -51.6
11.9
12.0
7812
IC701
IC702
E C B
PNP Q3
NPN Q1
PNP Q4
NPN Q2
⚠IC701
⚠IC702
⚠Q3
⚠Q1
⚠Q4
⚠Q2
A 17
13
12
7
5
2
1
RY601
RY701
B
A
D
To INPUT assembly CN1 (➧ P15)
To SURROUND AMP assembly CN31 (➧ P35, P36)

mbly


4
5
6
7
8
9
A
B
C
D
DECK 1 (2/2)(AWY1115)
DECK 1 (2/2) (AWY1115)
DECK 2 (2/2)(AWY1047)
DECK 2 (2/2) (AWY1047)
REC
CrO2
PLAY
MAIN
M
To DISPLAY assembly J10 (➧ P24)
To DISPLAY assembly J11 (➧ P23)
AWZ
AWM
J7
Q1 Q602 Q606 Q610 Q4 Q604 Q608 Q2 Q611－Q614
Q616
Q615
Q701
Q703 Q501 Q503
Q702
ATTENTION POUR LES PRECAUTIONS CONTINUELLES CONTRE L'INCENDIE,LES FUSIBLES A REMPLACER DOIVENT ETRE LES MEME TYPES ET VALEURS NORMES UNIQUEMENT.
CONTINUED
INST FIRE
NT FUSES
When no output : 63.9
When clipping output : 51.5
When no output : 64.5
When clipping output : 51.6
FU-3 2A-125V
FU-4 2A-125V
6.3A-125V
FU-1
RY601
RY701
J8
4080
PLAY 2 SW
MOTOR 2
PLAY
MAIN
COMMON
MOTOR －
MOTOR ＋
SERVO A
SERVO B
HI-SPEED
STOP
MUTE RY
POWER RY
REMOTE
GND
4.4
4.7
10.6
11.6
13.6
13.3
T1
POWER TRANSFORMER
120V
0V
CONNECT assembly
AC OUTLET
AC POWER CORD
AC120V/60Hz
NPN Q1
PNP Q4
NPN Q2
Q4
Q2
E C B
To SURROUND AMP assembly CN31 (➧ P35, P36)

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 E	E or E	Transistor
Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513	+	Capacitor (Polarized)
C518		Capacitor (Non-polarized)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capactor terminal marked with ◎ (double circles) shows negatine terminal.
4. The diode terminal marked with ◎ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

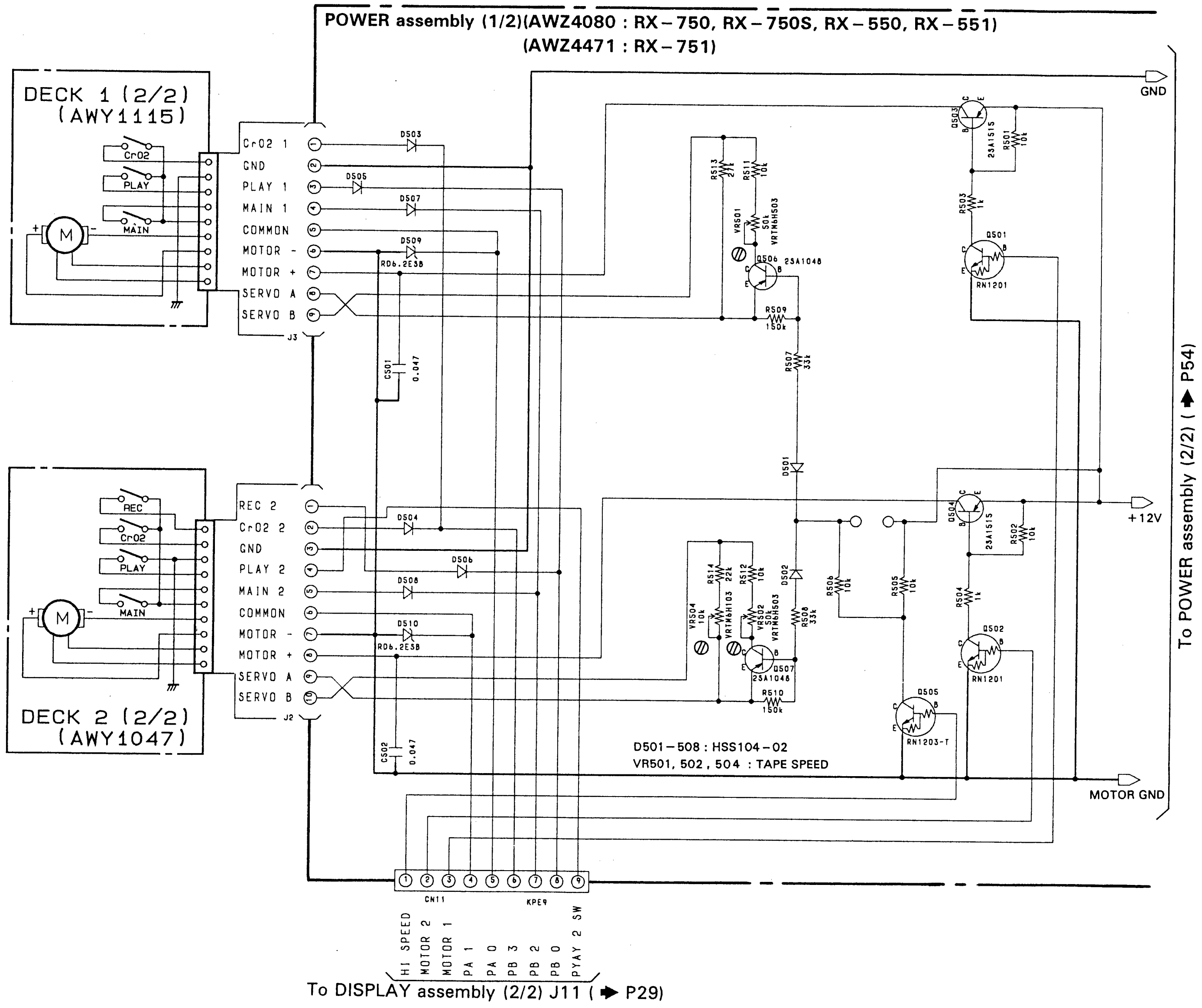
This P. C. B connection diagram is viewed from the parts mounted side.

A

B

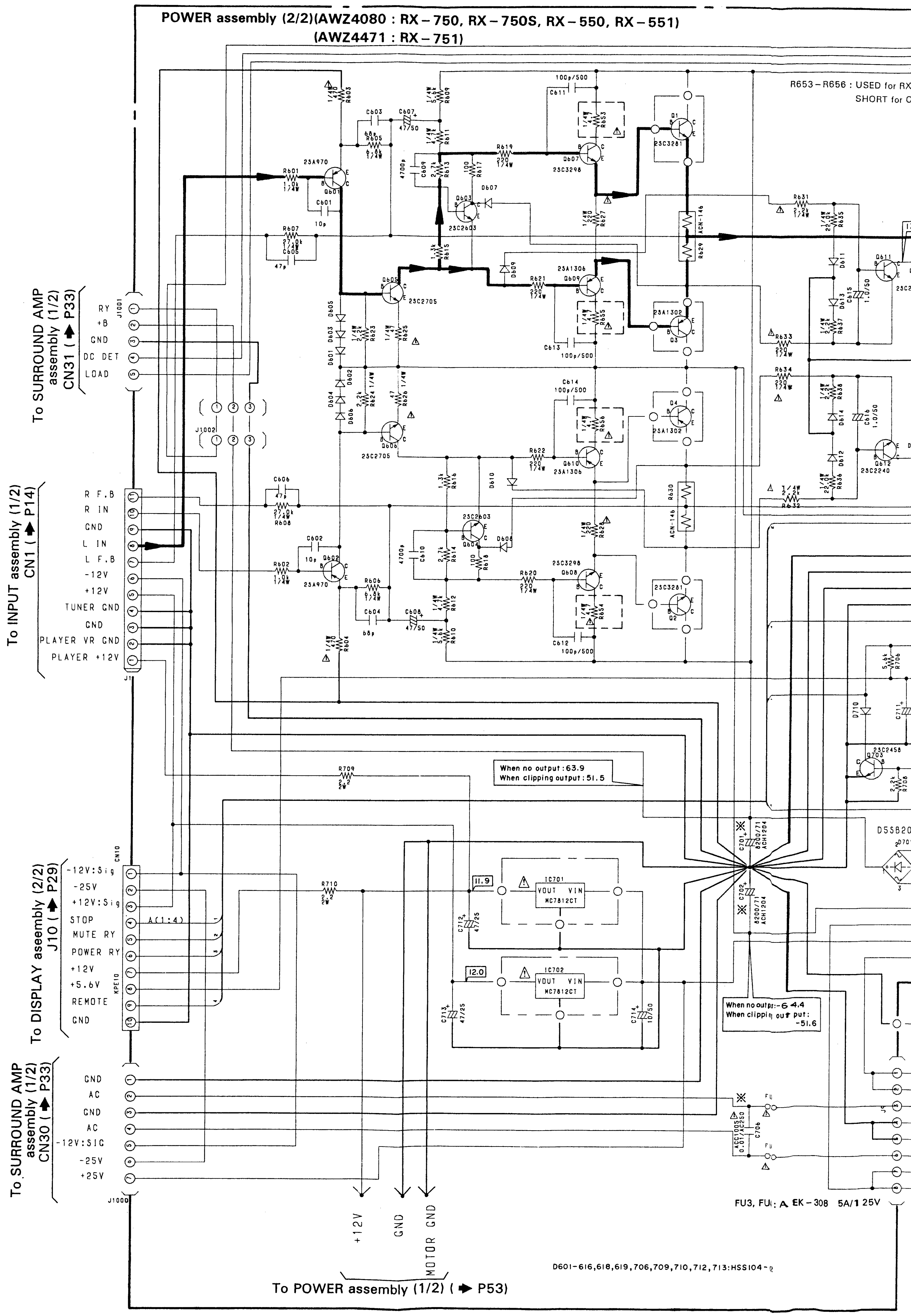
C

D

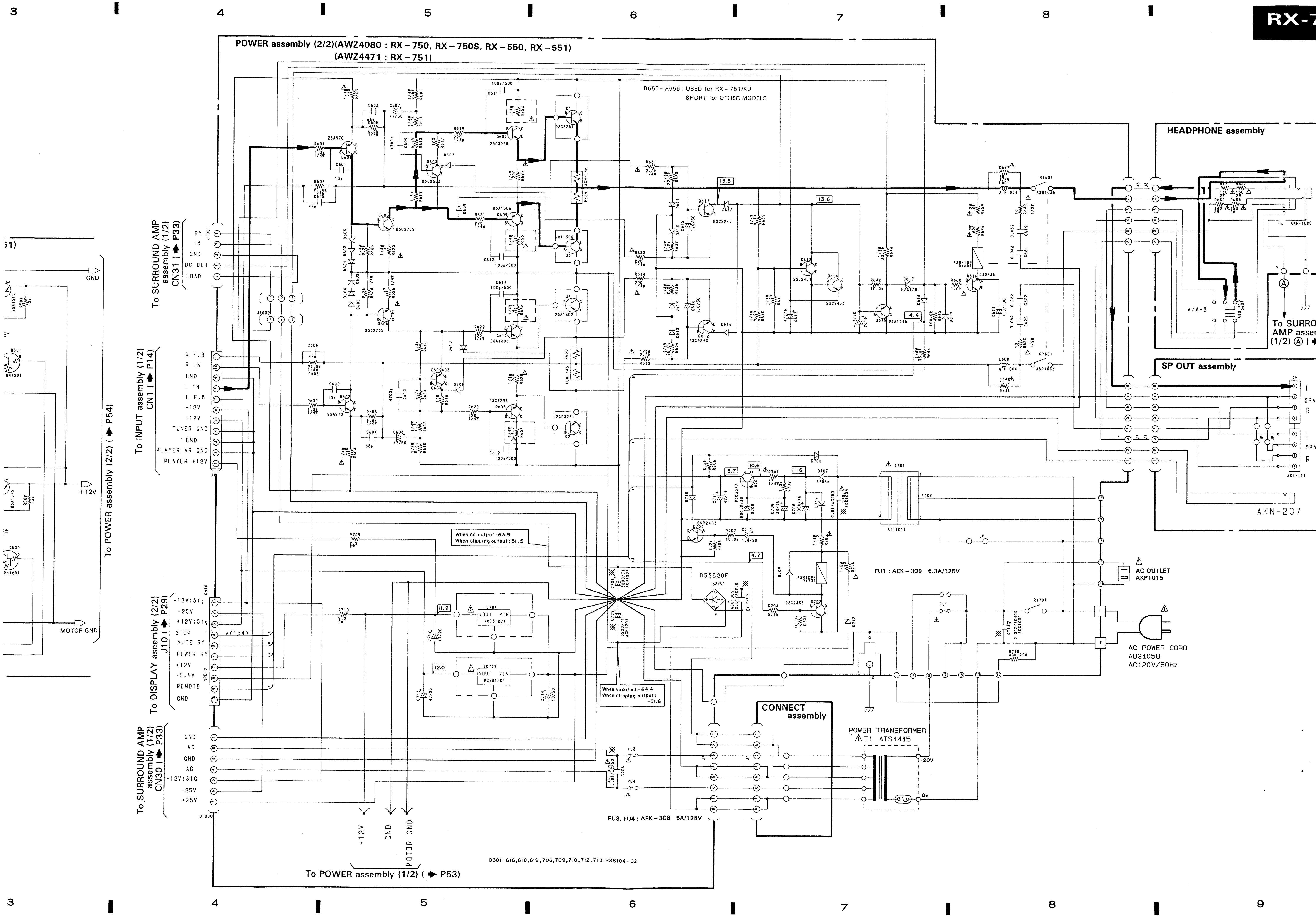

POWER assembly (1/2)(AWZ4080 : RX-750, RX-750S, RX-550, RX-551)
(AWZ4471 : RX-751)
DECK 1 (2/2)
(AWY1115)
CrO2
PLAY
MAIN
M
CrO2 1
GND
PLAY 1
MAIN 1
COMMON
MOTOR -
MOTOR +
SERVO A
SERVO B
J3
DECK 2 (2/2)
(AWY1047)
REC
CrO2
PLAY
MAIN
REC 2
CrO2 2
GND
PLAY 2
MAIN 2
COMMON
MOTOR -
MOTOR +
SERVO A
SERVO B
J2
D503
D505
D507
D509
D504
D506
D508
D510
RD6.2EB
C501 0.047
C502 0.047
R513
R511 10k
VR501
D506 2SA1048
R509 150k
R507 33k
D501
D502
R514
R512 10k
VR504 10k
VR502
D507 2SA1048
R510 150k
R508 33k
R506 10k
R505 10k
R504 1k
Q503 2SA1515
R501 10k
R503 1k
Q501 RN1201
Q504 2SA1515
R502 10k
Q502 RN1201
D505 RN1203-T
GND
+12V
MOTOR GND
To POWER assembly (2/2) (➡ P54)
CN11
KPE9
HI SPEED
MOTOR 2
MOTOR 1
PA 1
PA 0
PB 3
PB 2
PB 0
PYAY 2 SW

D501-508 : HSS104-02
VR501, 502, 504 : TAPE SPEED

To DISPLAY assembly (2/2) J11 (➡ P29)


POWER assembly (2/2)(AWZ4080 : RX-750, RX-750S, RX-550, RX-551)
(AWZ4471 : RX-751)
R653-R656 : USED for RX
SHORT for C
To SURROUND AMP assembly (1/2) CN31 (➡ P33)
RY
+B
GND
DC DET
LOAD
J1001
J1002
To INPUT assembly (1/2) CN1 (➡ P14)
R F.B
R IN
GND
L IN
L F.B
-12V
+12V
TUNER GND
GND
PLAYER VR GND
PLAYER +12V
J1
To DISPLAY assembly (2/2) J10 (➡ P29)
CN10
-12V:Sig
-25V
+12V:Sig
STOP
MUTE RY
POWER RY
+12V
+5.6V
REMOTE
GND
KPE10
To SURROUND AMP assembly (1/2) CN30 (➡ P33)
GND
AC
GND
AC
-12V:SIG
-25V
+25V
J1000
2SA970
Q601
Q602
2SC2603
Q603
Q604
2SC2705
Q605
Q606
2SA1306
Q609
Q610
2SC3298
Q607
Q608
2SC3281
Q1
Q2
2SA1302
Q3
Q4
Q611
Q612
2SC2240
Q703
2SC2458
ACN-146
IC701
VOUT VIN
MC7812CT
IC702
VOUT VIN
MC7812CT
11.9
12.0
C701 8200/71 ACH1204
C702 8200/71 ACH1204
C712 47/25
C713 47/25
C714 10/50
R709
R710
When no output : 63.9
When clipping output : 51.5
When no output : -64.4
When clipping output : -51.6
D55B20
FU3, FU: ⚠ EK-308 5A/125V
D601-616, 618, 619, 706, 709, 710, 712, 713 : HSS104-02
+12V
GND
MOTOR GND

To POWER assembly (1/2) (➡ P53)


3
4
5
6
7
8
9
POWER assembly (2/2)(AWZ4080 : RX−750, RX−750S, RX−550, RX−551)
(AWZ4471 : RX−751)
R653−R656 : USED for RX−751/KU
SHORT for OTHER MODELS
HEADPHONE assembly
SP OUT assembly
CONNECT assembly
To SURROUND AMP assembly (1/2) CN31 (➡ P33)
RY
+B
GND
DC DET
LOAD
J1001
J1002
To INPUT assembly (1/2) CN1 (➡ P14)
R F.B
R IN
GND
L IN
L F.B
−12V
+12V
TUNER GND
GND
PLAYER VR GND
PLAYER +12V
To DISPLAY assembly (2/2) J10 (➡ P29)
−12V:Sig
−25V
+12V:Sig
STOP
MUTE RY
POWER RY
+12V
+5.6V
REMOTE
GND
To SURROUND AMP assembly (1/2) CN30 (➡ P33)
GND
AC
GND
AC
−12V:SIG
−25V
+25V
J1000
To POWER assembly (2/2) (➡ P54)
GND
+12V
MOTOR GND
Q501
Q502
RN1201
2SA1515
+12V
GND
MOTOR GND
To POWER assembly (1/2) (➡ P53)
2SA970
2SC2705
2SC2603
2SC3298
2SA1306
2SC3281
2SA1302
2SC2240
2SC2458
2SA1048
2SD438
2SC2377
ACN−146
When no output : 63.9
When clipping output : 51.5
When no output:−64.4
When clipping output: −51.6
IC701
IC702
VOUT VIN
MC7812CT
D5SB20F
13.3
13.6
4.4
5.7
10.6
11.6
11.9
12.0
4.7
HZ12BL
ASR1036
ASR1024
ATH1004
RY601
RY701
T701
AT11011
120V
FU1 : AEK−309 6.3A/125V
FU3, FU4 : AEK−308 5A/125V
AC OUTLET
AKP1015
AC POWER CORD
ADG1058
AC120V/60Hz
POWER TRANSFORMER
T1 ATS1415
120V
0V
ACN−208
AKN−207
AKN−1025
AKE−111
A/A+B
To SURROUND AMP assembly (1/2) Ⓐ
SPA
SPB
L
R
D601−616,618,619,706,709,710,712,713:HSS104−02

6. PCB PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω → 56×10^1 → 561 .... RD1/8PM $\boxed{5}\boxed{6}\boxed{1}$ J
47kΩ → 47×10^3 → 473 .... RD1/4PS $\boxed{4}\boxed{7}\boxed{3}$ J
0.5Ω → 0R5 .... RN2H $\boxed{0}\boxed{R}\boxed{5}$ K
1Ω → 010 .... RS1P $\boxed{0}\boxed{1}\boxed{0}$ K

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562×10^1 → 5621 .... RN1/4PC $\boxed{5}\boxed{6}\boxed{2}\boxed{1}$ F

LIST OF ASSEMBLIES

Mark	No.	Description	Parts No.
◉		DISPLAY ASSEMBLY	AWZ4050
NSP		DECK IND ASSEMBLY	AWZ4052
NSP		VOL IND ASSEMBLY	AWZ4053
NSP		REAR CENTER VOL ASSEMBLY	AWZ4055
NSP		MAIN VOL ASSEMBLY	AWZ4056
◉		SURROUND AMP ASSEMBLY	AWZ4057
◉		INPUT ASSEMBLY	AWZ2292
NSP		SP OUT ASSEMBLY	AWZ2290
NSP		CONNECT ASSEMBLY	AWZ2291
◉		POWER ASSEMBLY	AWZ4080
NSP		HEADPHONE ASSEMBLY	AWZ4130

DISPLAY ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC102−106	DISPLAY IC	BA6144
	IC107, 108	AUDIO IC	BA3812L
	IC109	OP−AMP IC	RC4558DXP
	IC110	LOGIC IC	MC14052BCP
	IC51	3IN1 SYSTEM CONTROL MICRO-COMPUTER	PDG081A
	Q113−119	TRANSISTOR	2SC2458
	Q53	TRANSISTOR	2SA1048
	Q54	TRANSISTOR	2SC2458
	Q55, 56	TRANSISTOR	RN1201
	Q57	TRANSISTOR	2SA1048
	Q58	TRANSISTOR	RN2201
	Q59	TRANSISTOR	RN1201
	Q60	TRANSISTOR	2SC2458
	Q61, 62	TRANSISTOR	RN1201
	Q67	TRANSISTOR	RN1203
	Q68	TRANSISTOR	RN2201
	Q69	TRANSISTOR	RN1203
	Q70, 71	TRANSISTOR	RN2201
	Q72, 73	TRANSISTOR	RN2203
	Q74	TRANSISTOR	2SC2458
	Q75	TRANSISTOR	RN1203
	Q76	TRANSISTOR	2SA1048
	Q77, 51	TRANSISTOR	RN2203
	Q78	TRANSISTOR	2SC1740S
	D105	LED	AEL1044
	D106, 107	ZENER DIODE	RD7.5ESB
	D49	DIODE	1SS252
	D50−55	DIODE	HSS104−02
	D60	ZENER DIODE	RD20ESB
	D61, 62	DIODE	HSS104−02
	D65, 66	DIODE	HSS104−02
	D67, 68	LED (RED)	AEL1119
	D69	LED	AEL1077
	D70	LED (RED)	AEL1119
	D72, 73	LED (RED)	AEL1119
	D74	LED (RED)	AEL1038
	D81, 82	DIODE	HSS104−02
	D85−87	DIODE	HSS104−02
	D89	LED (RED)	AEL1038
	D90−93	LED (RED)	AEL1119
	D94	DIODE	HSS104−02
	D95	ZENER DIODE	RD3.6ESB
	D96−99	DIODE	HSS104−02

SWITCHES

Mark	No.	Description	Parts No.
	S51−73	SWITCH	ASG1034
	S78, 79	SWITCH	ASG1034

COILS

Mark	No.	Description	Parts No.
	L51	AXIAL INDUCTOR	LAU330K

CAPACITORS

Mark	No.	Description	Parts No.
	C101, 102	CERAMIC CAPACITOR	CKCYX683M16
	C103, 104	CERAMIC CAPACITOR	CGMYX392M25
	C105, 106	CERAMIC CAPACITOR	CGMYB182M50
	C107, 108	CERAMIC CAPACITOR	CKCYX153M16
	C109, 110	ELECT. CAPACITOR	CEASR15M50
	C111, 112	CERAMIC CAPACITOR	CKMYB391K50
	C113, 114	CERAMIC CAPACITOR	CKCYX183M16
	C115, 116	CERAMIC CAPACITOR	CGMYX682M25
	C117, 118	ELECT. CAPACITOR	CEASR68M50
	C119, 120	CERAMIC CAPACITOR	CCCSL101J50
	C121, 122	CERAMIC CAPACITOR	CKCYX393M16
	C123, 124	CERAMIC CAPACITOR	CCCSL121J50
	C125, 126	ELECT. CAPACITOR	CEAS4R7M50
	C129	CERAMIC CAPACITOR	CKCYX473M16
	C130	ELECT. CAPACITOR	CEAS330M16
	C131, 132	CERAMIC CAPACITOR	CKCYX473M16
	C133	ELECT. CAPACITOR	CEASR33M50
	C134, 135	CERAMIC CAPACITOR	CKCYX183M16
	C136	ELECT. CAPACITOR	CEASR22M50
	C137, 138	CERAMIC CAPACITOR	CKCYB682K50
	C139	CERAMIC CAPACITOR	CKCYX333M16
	C140, 141	CERAMIC CAPACITOR	CKCYB272K50
	C142	CERAMIC CAPACITOR	CKCYF223Z50
	C143, 144	CERAMIC CAPACITOR	CKMYB821K50
	C145	CERAMIC CAPACITOR	CKCYB332K50
	C146−150	ELECT. CAPACITOR	CEAS100M50
	C151, 152	ELECT. CAPACITOR	CEAS4R7M50
	C153, 154	ELECT. CAPACITOR	CEAS2R2M50
	C155, 156	ELECT. CAPACITOR	CEAS100M50
	C157, 158	ELECT. CAPACITOR	CEAS470M10
	C159, 160	ELECT. CAPACITOR	CEAS2R2M50
	C161, 162	CERAMIC CAPACITOR	CKCYB561K50
	C21, 22	ELECT. CAPACITOR	CEAS2R2M50
	C51	CAPACITOR	ACH1135
	C52	ELECT. CAPACITOR	CEAS470M10
	C53	CERAMIC CAPACITOR	CKCYF473Z50
	C54	ELECT. CAPACITOR	CEAS330M16
	C55, 56	CERAMIC CAPACITOR	CKCYX104M16
	C57	CERAMIC CAPACITOR	CKCYF473Z50
	C58	ELECT. CAPACITOR	CEAS010M50
	C59	ELECT. CAPACITOR	CEAS220M25
	C60	ELECT. CAPACITOR	CEAS330M16
	C61	ELECT. CAPACITOR	CEAS221M16
	C62, 63	ELECT. CAPACITOR	CEAS330M35
	C64	CERAMIC CAPACITOR	CKDYF473Z50
	C65	ELECT. CAPACITOR	CEAS6R8M50
	C66	ELECT. CAPACITOR	CEAS470M25
	C67	ELECT. CAPACITOR	CEJA470M16
	C71, 50	ELECT. CAPACITOR	CEAS4R7M50

RESISTORS

Mark	No.	Description	Parts No.
	VR101−105	VR (100k)	ACU1030
	VR111	VR (100k)	ACS1062
	R100	CARBON FILM RESISTOR	RD1/4PM390J
	R109	METAL OXIDE RESISTOR	RS2LMF101J
	R126, 127	CARBON FILM RESISTOR	RD1/2PM241J

Mark	No.	Description	Parts No.
	R128	METAL OXIDE RESISTOR	RS1PMF471J
	R196−199	CARBON FILM RESISTOR	RD1/4PM390J
	R59−61	CARBON FILM RESISTOR	RD1/4PM180J
	R64	CARBON FILM RESISTOR	RD1/4PM180J
		Other resistors	RD1/8PM□□□J

OTHERS

Mark	No.	Description	Parts No.
		LEAD WITH HOUSING	ADX1190
		CUSHION RUBBER	AEC1421
		REMOTE RECEIVER UNIT	AXX1023
	V51	FL TUBE	AAV−039
	X51	CERAMIC RESONATOR (4MHz)	ASS1025

DECK IND ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	D76	LED (RED)	AEL1108
	D77, 78	LED	AEL1077
	D79, 80	LED (RED)	AEL1108

SWITCHES

Mark	No.	Description	Parts No.
	S74−77	SWITCH	ASG1034

RESISTORS

Mark	No.	Description	Parts No.
		All resistors	RD1/8PM□□□J

VOL IND ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	D75	LED (RED)	AEL1065

REAR CENTER VOL ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1001	OP−AMP IC	RC4558DXP
	IC1002, 1003	MECHANISM DRIVER IC	TA7291S

CAPACITORS

Mark	No.	Description	Parts No.
	C1003, 1004	ELECT. CAPACITOR	CEAS2R2M50
	C1005, 1006	CERAMIC CAPACITOR	CKCYB472K50
	C1007, 1008	CERAMIC CAPACITOR	CKCYF473Z50
	C1009, 1010	ELECT. CAPACITOR	CEAS2R2M50

RESISTORS

Mark	No.	Description	Parts No.
	VR1001, 1002	VR (100k)	ACX1053
		Other resistors	RD1/8PM□□□J

Mark No.

MAIN VC

SEMICON

IC105
IC105

Q100

CAPACITO

C105
C105
C105
C105
C106

C106
C106

RESISTOR

VR10

OTHERS

CN26

SURROU

SEMICON

IC190
IC190
IC190
IC190
IC190

IC805
IC806
IC807

Q850-
Q854,
Q856,
Q858,
Q860,

Q862
Q863
Q864,
Q866
Q867,

Q869
Q870
Q872
Q873

D854
D855
D859,
D864-
D872-

Mark	No.	Description	Parts No.
	C107, 108	CERAMIC CAPACITOR	CKCYX153M16
	C109, 110	ELECT. CAPACITOR	CEASR15M50
	C111, 112	CERAMIC CAPACITOR	CKMYB391K50
	C113, 114	CERAMIC CAPACITOR	CKCYX183M16
	C115, 116	CERAMIC CAPACITOR	CGMYX682M25
	C117, 118	ELECT. CAPACITOR	CEASR68M50
	C119, 120	CERAMIC CAPACITOR	CCCSL101J50
	C121, 122	CERAMIC CAPACITOR	CKCYX393M16
	C123, 124	CERAMIC CAPACITOR	CCCSL121J50
	C125, 126	ELECT. CAPACITOR	CEAS4R7M50
	C129	CERAMIC CAPACITOR	CKCYX473M16
	C130	ELECT. CAPACITOR	CEAS330M16
	C131, 132	CERAMIC CAPACITOR	CKCYX473M16
	C133	ELECT. CAPACITOR	CEASR33M50
	C134, 135	CERAMIC CAPACITOR	CKCYX183M16
	C136	ELECT. CAPACITOR	CEASR22M50
	C137, 138	CERAMIC CAPACITOR	CKCYB682K50
	C139	CERAMIC CAPACITOR	CKCYX333M16
	C140, 141	CERAMIC CAPACITOR	CKCYB272K50
	C142	CERAMIC CAPACITOR	CKCYF223Z50
	C143, 144	CERAMIC CAPACITOR	CKMYB821K50
	C145	CERAMIC CAPACITOR	CKCYB332K50
	C146−150	ELECT. CAPACITOR	CEAS100M50
	C151, 152	ELECT. CAPACITOR	CEAS4R7M50
	C153, 154	ELECT. CAPACITOR	CEAS2R2M50
	C155, 156	ELECT. CAPACITOR	CEAS100M50
	C157, 158	ELECT. CAPACITOR	CEAS470M10
	C159, 160	ELECT. CAPACITOR	CEAS2R2M50
	C161, 162	CERAMIC CAPACITOR	CKCYB561K50
	C21, 22	ELECT. CAPACITOR	CEAS2R2M50
	C51	CAPACITOR	ACH1135
	C52	ELECT. CAPACITOR	CEAS470M10
	C53	CERAMIC CAPACITOR	CKCYF473Z50
	C54	ELECT. CAPACITOR	CEAS330M16
	C55, 56	CERAMIC CAPACITOR	CKCYX104M16
	C57	CERAMIC CAPACITOR	CKCYF473Z50
	C58	ELECT. CAPACITOR	CEAS010M50
	C59	ELECT. CAPACITOR	CEAS220M25
	C60	ELECT. CAPACITOR	CEAS330M16
	C61	ELECT. CAPACITOR	CEAS221M16
	C62, 63	ELECT. CAPACITOR	CEAS330M35
	C64	CERAMIC CAPACITOR	CKDYF473Z50
	C65	ELECT. CAPACITOR	CEAS6R8M50
	C66	ELECT. CAPACITOR	CEAS470M25
	C67	ELECT. CAPACITOR	CEJA470M16
	C71, 50	ELECT. CAPACITOR	CEAS4R7M50

RESISTORS

Mark	No.	Description	Parts No.
	VR101−105	VR (100k)	ACU1030
	VR111	VR (100k)	ACS1062
	R100	CARBON FILM RESISTOR	RD1/4PM390J
	R109	METAL OXIDE RESISTOR	RS2LMF101J
	R126, 127	CARBON FILM RESISTOR	RD1/2PM241J
	R128	METAL OXIDE RESISTOR	RS1PMF471J
	R196−199	CARBON FILM RESISTOR	RD1/4PM390J
	R59−61	CARBON FILM RESISTOR	RD1/4PM180J
	R64	CARBON FILM RESISTOR	RD1/4PM180J
		Other resistors	RD1/8PM□□□J

OTHERS

Mark	No.	Description	Parts No.
		LEAD WITH HOUSING	ADX1190
		CUSHION RUBBER	AEC1421
		REMOTE RECEIVER UNIT	AXX1023
	V51	FL TUBE	AAV−039
	X51	CERAMIC RESONATOR (4MHz)	ASS1025

DECK IND ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	D76	LED (RED)	AEL1108
	D77, 78	LED	AEL1077
	D79, 80	LED (RED)	AEL1108

SWITCHES

Mark	No.	Description	Parts No.
	S74−77	SWITCH	ASG1034

RESISTORS

Mark	No.	Description	Parts No.
		All resistors	RD1/8PM□□□J

VOL IND ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	D75	LED (RED)	AEL1065

REAR CENTER VOL ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1001	OP−AMP IC	RC4558DXP
	IC1002, 1003	MECHANISM DRIVER IC	TA7291S

CAPACITORS

Mark	No.	Description	Parts No.
	C1003, 1004	ELECT. CAPACITOR	CEAS2R2M50
	C1005, 1006	CERAMIC CAPACITOR	CKCYB472K50
	C1007, 1008	CERAMIC CAPACITOR	CKCYF473Z50
	C1009, 1010	ELECT. CAPACITOR	CEAS2R2M50

RESISTORS

Mark	No.	Description	Parts No.
	VR1001, 1002	VR (100k)	ACX1053
		Other resistors	RD1/8PM□□□J

MAIN VOL ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1051, 1052	OP−AMP IC	RC4558DXP
	IC1053	MECHANISM DRIVER IC	TA7291S
	Q1001−1004	TRANSISTOR	2SC2458

CAPACITORS

Mark	No.	Description	Parts No.
	C1053, 1054	ELECT. CAPACITOR	CEAS2R2M50
	C1055, 1056	ELECT. CAPACITOR	CEAS101M10
	C1057, 1058	CERAMIC CAPACITOR	CCCSL330J50
	C1059, 1060	CERAMIC CAPACITOR	CKCYB472K50
	C1061	ELECT. CAPACITOR	CEAS101M16
	C1063, 1064	ELECT. CAPACITOR	CEAS2R2M50
	C1067	CERAMIC CAPACITOR	CKCYF473Z50

RESISTORS

Mark	No.	Description	Parts No.
	VR1051	VR (100k)	ACX1037
		Other resistors	RD1/8PM□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN26	CONNECTOR (14P)	KPE14

SURROUND AMP ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1901	DOLBY PROLOGIC IC	LA2780
	IC1902	DOLBY SURRUND IC	LV1001M
	IC1903	DRAM IC	LM3364K−15
	IC1904, 1905	OP−AMP IC	NJM4558DXP
	IC1906, 804	PORT−EXPANDER IC	CXD1067P
	IC805	LOGIC IC	TC4066BP
	IC806	REGULATOR IC	NJM79M12FA
	IC807	REGULATOR IC	NJM78M05FAS
	Q850−853	TRANSISTOR	2SA992
	Q854, 855	TRANSISTOR	2SC1845
	Q856, 857	TRANSISTOR	2SC2458
	Q858, 859	TRANSISTOR	2SD1276A
	Q860, 861	TRANSISTOR	2SB950A
	Q862	TRANSISTOR	2SA1048
	Q863	TRANSISTOR	2SD438
	Q864, 865	TRANSISTOR	RN2203
	Q866	TRANSISTOR	RN1203
	Q867, 868	TRANSISTOR	RN2203
	Q869	TRANSISTOR	RN1201
	Q870	TRANSISTOR	RN1203
	Q872	TRANSISTOR	RN2203
	Q873	TRANSISTOR	2SC2458
	D854	DIODE	HSS104−02
	D855	DIODE	D3SBA20 (A)
	D859, 860	ZENER DIODE	RD12ESB
	D864−868	DIODE	HSS104−02
	D872−877	ZENER DIODE	RD6.2ESB

RELAY

Mark	No.	Description	Parts No.
	RY801	RELAY	ASR1035

COILS

Mark	No.	Description	Parts No.
	L861, 862	COIL	ATH−133

CAPACITORS

Mark	No.	Description	Parts No.
	C1001	ELECT. CAPACITOR	CEAS101M16
	C1901	ELECT. CAPACITOR	CEAS221M25
	C1902	ELECT. CAPACITOR	CEAS470M25
	C1903, 1904	ELECT. CAPACITOR	CEAS100M50
	C1905	ELECT. CAPACITOR	CEASR33M50
	C1906	CERAMIC CAPACITOR	CKCYB681K50
	C1907, 1908	AUDIO FILM CAPACITOR	CFTXA104J50
	C1909, 1910	ELECT. CAPACITOR	CEAS2R2M50
	C1911	ELECT. CAPACITOR	CEASR15M50
	C1912	ELECT. CAPACITOR	CEAS3R3M50
	C1913, 1914	AUDIO FILM CAPACITOR	CFTXA154J50
	C1915	ELECT. CAPACITOR	CEAS3R3M50
	C1916	ELECT. CAPACITOR	CEASR15M50
	C1917, 1918	ELECT. CAPACITOR	CEAS2R2M50
	C1919	AUDIO FILM CAPACITOR	CFTXA473J50
	C1920	AUDIO FILM CAPACITOR	CFTXA104J50
	C1921	AUDIO FILM CAPADITOR	CFTXA334J50
	C1922	CERAMIC CAPACITOR	CKCYB681K50
	C1923, 1924	AUDIO FILM CAPACITOR	CFTXA104J50
	C1925	ELECT. CAPACITOR	CEASR33M50
	C1926, 1927	ELECT. CAPACITOR	CEAS100M50
	C1928, 1929	ELECT. CAPACITOR	CEAS220M25
	C1930, 1931	ELECT. CAPACITOR	CEAS2R2M50
	C1932	AUDIO FILM CAPACITOR	CFTXA153J50
	C1933	AUDIO FILM CAPACITOR	CFTXA103J50
	C1934	CERAMIC CAPACITOR	CKCYB681K50
	C1935	AUDIO FILM CAPACITOR	CFTXA104J50
	C1936	ELECT. CAPACITOR	CEAS471M16
	C1937	ELECT. CAPACITOR	CEAS4R7M50
	C1938	CHIP CAPACITOR	CCSCH102J50
	C1939	AUDIO FILM CAPACITOR	CFTXA223J50
	C1940	CHIP CAPACITOR	CCSQCH151J50
	C1941, 1942	ELECT. CAPACITOR	CEAS221M16
	C1943	ELECT. CAPACITOR	CEAS221M25
	C1944	CERAMIC CAPACITOR	CKSQYF104Z50
	C1945	ELECT. CAPACITOR	CEASR22M50
	C1946	AUDIO FILM CAPACITOR	CFTXA683J50
	C1947	MYLAR FILM CAPACITOR	CQMA392J 50

Mark	No.	Description	Parts No.
	C1948	MYLAR FILM CAPACITOR	CQMA472J50
	C1949	AUDIO FILM CAPACITOR	CFTXA333J50
	C1950	ELECT. CAPACITOR	CEANP100M35
	C1951	ELECT. CAPACITOR	CEAS010M50
	C1952	ELECT. CAPACITOR	CEAS100M50
	C1953	CHIP CERAMIC C.	CCSQCH471J50
	C1954	MYLAR FILM CAPACITOR	CQMA562J50
	C1955	MYLAR FILM CAPACITOR	CQMA682J50
	C1956	ELECT. CAPACITOR	CEANPR33M50
	C1957, 1958	ELECT. CAPACITOR	CEAS100M50
	C1959	CHIP CAPACITOR	CCSQCH681J50
	C1960	ELECT. CAPACITOR	CEAS100M50
	C1961	AUDIO FILM CAPACITOR	CFTXA154J50
	C1962	CHIP CAPACITOR	CCSQCH151J50
	C1963	AUDIO FILM CAPACITOR	CFTXA223J50
	C1964	CHIP CAPACITOR	CCSCH102J50
	C1965	ELECT. CAPACITOR	CEAS4R7M50
	C1966	CERAMIC CAPACITOR	CKSQYF104Z50
	C1967	CERAMIC CAPACITOR	CKSQYB103K50
	C1968	ELECT. CAPACITOR	CEAS221M16
	C1969	CERAMIC CAPACITOR	CKSQYB562K50
	C1970	ELECT. CAPACITOR	CEAS100M50
	C1971	ELECT. CAPACITOR	CEAS4R7M50
	C841	CERAMIC CAPACITOR	CKDYX104M25
	C842−845	CERAMIC CAPACITOR	CKDYB471K50
	C860	ELECT. CAPACITOR	CEAS2R2M50
	C861	ELECT. CAPACITOR	CEHAQ2R2M50
	C862, 863	CERAMIC CAPACITOR	CKCYB222K50
	C864, 865	CERAMIC CAPACITOR	CKCYB102K50
	C866, 867	ELECT. CAPACITOR	CEAS470M16
	C868, 869	CERAMIC CAPACITOR	CCCSL330J50
	C870, 871	ELECT. CAPACITOR	CEAS470M16
	C872, 873	CERAMIC CAPACITOR	CCCSL101J50
	C874−877	AUDIO FILM CAPACITOR	CFTXA823J50
	C878, 879	ELECT. CAPACITOR (2200/42)	ACH1109
	C880	CERAMIC CAPACITOR	CKCYB472K50
	C881, 882	CERAMIC CAPACITOR	CKSQYB472K50
	C883	CERAMIC CAPACITOR	CKCYF103Z50
	C884	ELECT. CAPACITOR	CEAS220M25
	C886, 887	ELECT. CAPACITOR	CEHAQ330M35
	C888, 889	ELECT. CAPACITOR	CEHAQ220M50
	C891	ELECT. CAPACITOR	CEAS470M16

RESISTORS

Mark	No.	Description	Parts No.
	VR1901	VR	VRTB6VS473
	R1919	CARBON FILM RESISTOR	RD1/8PM472J
	R1942	CARBON FILM RESISTOR	RD1/8PM332J

Mark	No.	Description	Parts No.
	R1948	CARBON FILM RESISTOR	RD1/8PM822J
	R801, 837	CARBON FILM RESISTOR	RD1/8PM102J
	R843	CARBON FILM RESISTOR	RD1/8PM102J
	R844, 845	FUSLIBLE RESISTOR	RFA1/4PS101J
	R854, 855	CARBON FILM RESISTOR	RD1/4PM100J
	R856, 857	CARBON FILM RESISTOR	RD1/8PM102J
	R858, 859	CARBON FILM RESISTOR	RD1/8PM273J
	R860, 861	CARBON FILM RESISTOR	RD1/4PM103J
	R862, 863	CARBON FILM RESISTOR	RD1/4PM222J
	R864, 865	CARBON FILM RESISTOR	RD1/8PM221J
	R866, 867	CARBON FILM RESISTOR	RD1/4PM431J
	R868, 869	CARBON FILM RESISTOR	RD1/4PM273J
	R870	CARBON FILM RESISTOR	RD1/8PM103J
	R872−875	CARBON FILM RESISTOR	RD1/4PM222J
	R877	CARBON FILM RESISTOR	RD1/8PM122J
	R878, 879	CARBON FILM RESISTOR	RD1/4PMF470J
	R881	CARBON FILM RESISTER	RD1/8PM511J
	R882, 883	CARBON FILM RESISTOR	RD1/4PM221J
	R884−887	METAL OXIDE RESISTOR	RS2LMFR47J
	R888, 889	CARBON FILM RESISTOR	RD1/8PM682J
	R890, 891	CARBON FILM RESISTOR	RD1/2PM100J
	R892, 893	CARBON FILM RESISTOR	RD1/8PM683J
	R894	CARBON FILM RESISTOR	RD1/2PM152J
	R895	METAL OXIDE RESISTOR	RS2LMFR22J
	R896	METAL OXIDE RESISTOR	RS2LMF681J
	R897	CARBON FILM RESISTOR	RD1/8PM104J
	R898	METAL OXIDE RESISTOR	RS2LMF681J
	R900	METAL OXIDE RESISTOR	RS2LMF681J
	R901	CARBON FILM RESISTOR	RD1/8PM102J
		Other resistors	RS1/10S□□□J

OTHERS

Mark No.	Description	Parts No.
	SPEAKER TERMINAL 2-P	AKE-058
	SPEAKER TERMINAL 4-P	AKE1012
	JACK	AKN1020
CN22	CONNECTOR (8P)	KPE8
CN23	CONNECTOR (9P)	KPE9
CN24	CONNECTOR (13P)	KPE13
CN25	CONNECTOR (13P)	KPE13
CN30	CONNECTOR (7P)	KPC7
X1901	CRYSTAL RESONATOR (8MHz)	ASS1015

INPUT ASSEMBLY

SEMICONDUCTORS

Mark No.	Description	Parts No.
IC201	AM/FM IC	LA1265S
IC202	PLL IC	LM7001
IC203	MPX IC	AN7470P
IC301	OP-AMP IC	NJM4558DXP
IC303	LOGIC IC	MC14052BCP
IC304	OP-AMP IC	NJM4558DXP
IC401	LOGIC IC	MC14066BCP
IC402	OP-AMP IC	NJM4558DXP
IC403	LOGIC IC	MC14066BCP
IC404	LOLBY-B IC	CXA1100P
IC405	OP-AMP IC	NJM4558DXP
IC406	LOGIC IC	SN74LS05N
Q201	MOS-FET	2SK241
Q202	TRANSISTOR	2SC2786
Q203	TRANSISTOR	2SC2668
Q204	N-FET	2SK161
Q205	TRANSISTOR	2SC2668
Q206, 207	TRANSISTOR	RN2201
Q208	TRANSISTOR	2SC1740SLN
Q209	N-FET	2SK246
Q210	TRANSISTOR	2SC1740S
Q401, 402	TRANSISTOR	2SC2458
Q403, 404	N-FET	2SK373
Q405-408	TRANSISTOR	2SC2458
Q409	TRANSISTOR	RN1203
Q410-413	TRANSISTOR	2SC2458
Q414	TRANSISTOR	RN1203
Q415, 416	TRANSISTOR	2SC2458
Q417	TRANSISTOR	RN1201
Q418	TRANSISTOR	2SA1048
Q419, 420	TRANSISTOR	2SC3377
Q421	TRANSISTOR	2SC2458
D201, 202	VARI-CAP DIODE	ITT310
D203-206	DIODE	HSS104-02
D207	DIODE	1SS252
D301	ZENER DIODE	RD5.1ESB
D302	ZENER DIODE	RD7.5ESB
D401-407	DIODE	HSS104-02

SWITCH

Mark No.	Description	Parts No.
S401	SLIDE SWITCH	ASH1033

COILS & TRANSFORMERS

Mark No.	Description	Parts No.
F201	CERAMIC FILTER	ATF-155
F202, 203	CERAMIC FILTER	ATF-107
F204	CERAMIC FILTER	ATF-208
F401, 402	DOLBY FILTER	ATF1064
L201	COIL	ATC1003
L202	COIL	ATE-079
L203, 204	AXIAL INDUCTOR	LAU2R2M
L401, 402	AXIAL INDUCTOR	LAU221K
L403	AXIAL INDUCTOR	LAU220K
L404, 405	INDUCTOR	LTA822J
L406, 407	INDUCTOR	LTA392J
T201	COIL	ATC-194
T202	IF TRANSFORMER	ATE-063
T401	OSC TRANSFORMER	ATX1007

CAPACITORS

Mark No.	Description	Parts No.
C203	CERAMIC CAPACITOR	CCMCH040C50
C204	CERAMIC CAPACITOR	CKPUYY103N16
C205	CERAMIC CAPACITOR	CCDRH150J50
C206	ELECT. CAPACITOR	CEAS330M16
C207	CERAMIC CAPACITOR	CCDCH020C50
C208	CERAMIC CAPACITOR	CKPUYY103N16
C209	CERAMIC CAPACITOR	CKPUYB101K50
C210	CERAMIC CAPACITOR	CCDCH010C50
C211	CERAMIC CAPACITOR	CKPUYY103N16
C212	CERAMIC CAPACITOR	CCMCH330J50
C213	CERAMIC CAPACITOR	CCMCH150J50
C214	CERAMIC CAPACITOR	CCMCH080D50
C215	CERAMIC CAPACITOR	CKPUYB102K50
C216	CERAMIC CAPACITOR	CCDTH150J50
C217	CERAMIC CAPACITOR	CCMCH150J50
C218-220	CERAMIC CAPACITOR	CKPUYY103N16
C221	AXIAL CERAMIC CAPACITOR	CKPUYF223Z25
C222	AUDIO FILM CAPACITOR	CFTXA104J50
C223, 224	AXIAL CERAMIC CAPACITOR	CKPUYF223Z25
C225	ELECT. CAPACITOR	CEAS330M16
C226	AXIAL CAPACITOR	CCPUSL470J50
C227	CERAMIC CAPACITOR	CKPUYB101K50
C228-230	AXIAL CERAMIC CAPACITOR	CKPUYF223Z25
C231	ELECT. CAPACITOR	CEAS330M16
C232	ELECT. CAPACITOR	CEAS010M50
C233	CERAMIC CAPACITOR	CCDSL271J50
C234	ELECT. CAPACITOR	CEAS4R7M50
C235	CERAMIC CAPACITOR	CKPUYY103N16
C236	ELECT. CAPACITOR	CEAS470M16

Mark	No.	Description	Parts No.
	C237	ELECT. CAPACITOR	CEAS2R2M50
	C238	CERAMIC CAPACITOR	CKDYB222K50
	C239	CERAMIC CAPACITOR	CKDYF473Z50
	C240	AUDIO FILM CAPACITOR	CFTXA104J50
	C241	CERAMIC CAPACITOR	CKPUYY103N16
	C242	ELECT. CAPACITOR	CEAS1R5M50
	C243	ELECT. CAPACITOR	CEAS101M16
	C244, 245	CERAMIC CAPACITOR	CCMCH150J50
	C246	CERAMIC CAPACITOR	CKPUYB101K50
	C247	CERAMIC CAPACITOR	CKPUYY103N16
	C248	ELECT. CAPACITOR	CEANP2R2M50
	C249	CERAMIC CAPACITOR	CKCYF473Z50
	C250	CAPACITOR (470p)	ACE1039
	C251	ELECT. CAPACITOR	CEAS3R3M50
	C252	ELECT. CAPACITOR	CEAS1R5M50
	C253	ELECT. CAPACITOR	CEASR22M50
	C254	AXIAL CERAMIC CAPACITOR	CKPUYF223Z25
	C255	ELECT. CAPACITOR	CEAS0R1M50
	C256	ELECT. CAPACITOR	CEAS330M16
	C257, 258	CERAMIC CAPACITOR	CKMYB152K50
	C259, 260	ELECT. CAPACITOR	CEAS2R2M50
	C261, 262	CERAMIC CAPACITOR	CKCYB682K50
	C263	ELECT. CAPACITOR	CEAS330M16
	C264	ELECT. CAPACITOR	CEAS470M16
	C301, 302	CERAMIC CAPACITOR	CKMYB391K50
	C303, 304	ELECT. CAPACITOR	CEAS2R2M50
	C305, 306	CERAMIC CAPACITOR	CKPUYB101K50
	C307, 308	ELECT. CAPACITOR	CEAS470M16
	C309, 310	CERAMIC CAPACITOR	CKDYB222K50
	C311, 312	CERAMIC CAPACITOR	CKCYB822K50
	C313, 314	ELECT. CAPACITOR	CEAS330M16
	C315, 316	CERAMIC CAPACITOR	CKPUYY103N16
	C317, 318	ELECT. CAPACITOR	CEAS2R2M50
	C319, 320	ELECT. CAPACITOR	CEAS470M16
	C336	CERAMIC CAPACITOR	CKCYF473Z50
	C401−404	CERAMIC CAPACITOR	CCCSL181J50
	C405, 406	CERAMIC CAPACITOR	CCMSL100D50
	C407, 408	CERAMIC CAPACITOR	CKMYB391K50
	C409, 410	CERAMIC CAPACITOR	CKPUYY103N16
	C411, 412	ELECT. CAPACITOR	CEAS010M50
	C413, 414	CERAMIC CAPACITOR	CKPUYB101K50
	C415, 416	MYLAR FILM CAPACITOR	CQMA682J50
	C417, 418	ELECT. CAPACITOR	CEAS470M16
	C419, 420	CERAMIC CAPACITOR	CKCYX333M25
	C421, 422	AUDIO FILM CAPACITOR	CFTXA103J50
	C423, 424	AUDIO FILM CAPACITOR	CFTXA104J50
	C425, 426	CERAMIC CAPACITOR	CKPUYY103N16
	C427−430	ELECT. CAPACITOR	CEAS2R2M50
	C431	ELECT. CAPACITOR	CEAS470M16

Mark	No.	Description	Parts No.
	C432	ELECT. CAPACITOR	CEAS101M16
	C433, 434	ELECT. CAPACITOR	CEASR68M50
	C435−438	ELECT. CAPACITOR	CEAS2R2M50
	C439, 440	ELECT. CAPACITOR	CEAS220M25
	C441	CERAMIC CAPACITOR	CKCYF473Z50
	C442	CERAMIC CAPACITOR	CKDYF473Z50
	C443, 444	CERAMIC CAPACITOR	CKCYB822K50
	C445, 446	AUDIO FILM CAPACITOR	CFTXA473J50
	C447, 448	AUDIO FILM CAPACITOR	CFTXA223J50
	C449, 450	AUDIO FILM CAPACITOR	CFTXA123J50
	C451−454	ELECT. CAPACITOR	CEAS330M16
	C455, 456	MYLAR FILM CAPACITOR	CQMA562K50
	C457, 458	ELECT. CAPACITOR	CEASR33M50
	C459, 460	ELECT. CAPACITOR	CEASR47M50
	C461, 462	CERAMIC CAPACITOR	CKMYB681K50
	C463, 464	CERAMIC CAPACITOR	CCCSL271K500
	C465, 466	CERAMIC CAPACITOR	CCCSL220K500
	C468	CERAMIC CAPACITOR	CKCYB182K50
	C469	CERAMIC CAPACITOR	CKCYB222K500
	C470	PP CAPACITOR (560p/630)	ACE1021
	C471, 472	ELECT. CAPACITOR	CEAS470M16
	C473	AUDIO FILM CAPACITOR	CFTXA153J50
	C474	CERAMIC CAPACITOR	CKCYB682K50
	C475, 476	CERAMIC CAPACITOR	CKCYB472K50
	C477	CERAMIC CAPACITOR	CCDSL221J50
	C478, 479	ELECT. CAPACITOR	CEAS330M16
	C480, 481	ELECT. CAPACITOR	CEAS2R2M50
	C482	CERAMIC CAPACITOR	CKPUYB101K50

RESISTORS

Mark	No.	Description	Parts No.
	VR201	VR (4.7k)	ACP1042
	VR401−404	VR	VRTM6V103
	VR405, 406	VR	VRTM6V203
	VR407, 408	VR	VRTM6V204
⚠	R307, 308	CARBON FILM RESISTOR	RD 1/2PMFL100J
	R335	CARBON FILM RESISTOR	RD 1/2PM151J
	R336	CARBON FILM RESISTOR	RD 1/4PM271J
⚠	R482, 485	CARBON FILM RESISTOR	RD 1/2PMFL330J
		Other resistors	RD 1/8PM□□□J

OTHERS

Mark	No.	Description	Parts No.
		ANTENNA TERMINAL 4−P	AKA1009
		PIN JACK 6P	AKB1023
		JACK (DC)	AKN−203
		AM RF TUNING BLOCK	AXX1011

Mark	No.	Description	Parts No.
	CN1	CONNECTOR (11P)	KPE11
	CN13	CONNECTOR (8P)	KPE8
	CN14	CONNECTOR (11P)	KPE11
	X201	CERAMIC RESONATOR (450kHz)	ATF1027
	X202	CRYSTAL RESONATOR (7.200MHz)	ASS1005

SP OUT ASSEMBLY

OTHERS

Mark	No.	Description	Parts No.
		SPEAKER TERMINAL 8-P	AKE-111
		JACK	AKN-207

CONNECT ASSEMBLY

CONNECT assembly has no supply part.

POWER ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q501, 502	TRANSISTOR	RN1201
	Q503, 504	TRANSISTOR	2SA1515
	Q505	TRANSISTOR	RN1203
	Q506, 507	TRANSISTOR	2SA1048
	Q601, 602	TRANSISTOR	2SA970
	Q603, 604	TRANSISTOR	2SC2603
	Q605, 606	TRANSISTOR	2SC2705
	Q607, 608	TRANSISTOR	2SC3298
	Q609, 610	TRANSISTOR	2SA1306
	Q611, 612	TRANSISTOR	2SC2240
	Q613, 614	TRANSISTOR	2SC2458
	Q615	TRANSISTOR	2SA1048
	Q616	TRANSISTOR	2SD438
	Q701	TRANSISTOR	2SC3377
	Q702, 703	TRANSISTOR	2SC2458
	D501-508	DIODE	HSS104-02
	D509, 510	ZENER DIODE	RD6.2ESB
	D601-616	DIODE	HSS104-02
	D617	ZENER DIODE	HZS12BL
	D618, 619	DIODE	HSS104-02
	D701	DIODE	D5SB20F
	D706	DIODE	HSS104-02
	D707	DIODE	S5566
	D708	ZENER DIODE	RD6.2ESB
	D709, 710	DIODE	HSS104-02
	D712, 713	DIODE	HSS104-02

RELAIES

Mark	No.	Description	Parts No.
	RY601	RELAY	ASR-109
	RY701	RELAY	ASR1024

COILS & TRANSFORMER

Mark	No.	Description	Parts No.
	L601, 602	COIL	ATH1004
⚠	T701	POWER TRANSFORMER	ATT1011

CAPACITORS

Mark	No.	Description	Parts No.
	C501, 502	CERAMIC CAPACITOR	CKDYF473Z50
	C601, 602	CERAMIC CAPACITOR	CCMSL100D50
	C603, 604	CERAMIC CAPACITOR	CCMSL680J50
	C605, 606	AXIAL CAPACITOR	CCPUSL470J50
	C607, 608	ELECT. CAPACITOR	CEAS470M50
	C609, 610	CERAMIC CAPACITOR	CKCYB472K50
	C611-614	CERAMIC CAPACITOR	CCCSL101K500
	C615, 616	ELECT. CAPACITOR	CEANP010M50
	C617	ELECT. CAPACITOR	CEAS471M6
	C618	ELECT. CAPACITOR	CEAS4R7M50
	C619-622	AUDIO FILM CAPACITOR	CFTXA823J50
	C623	ELECT. CAPACITOR	CEAS010M100
	C701, 702	ELECT. CAPACITOR (8200/71)	ACH1204
⚠	C705-707	CKA (0.01/AC150V)	ACG1005
	C708	ELECT. CAPACITOR	CEAS102M16
	C709	ELECT. CAPACITOR	CEAS330M16
	C710	ELECT. CAPACITOR	CEAS010M50
	C711	ELECT. CAPACITOR	CEAS470M16
	C712, 713	ELECT. CAPACITOR	CEAS470M25
	C714	ELECT. CAPACITOR	CEAS100M50
⚠	C718	CKA (0.022/AC125V)	ACG1030

RESISTORS

Mark	No.	Description	Parts No.
	VR501, 502	VR	VRTM6H503
	VR504	VR	VRTM6H103
	R601, 602	CARBON FILM RESISTOR	RD1/4PM102J
⚠	R603, 604	FUSEBLERESISTOR	RFA1/4PS471J
	R605, 606	CARBON FILM RESISTOR	RD1/4PM682J
	R607, 608	CARBON FILM RESISTOR	RD1/4PM273J
	R609, 610	CARBON FILM RESISTOR	RD1/4PM562J
	R611, 612	CARBON FILM RESISTOR	RD1/4PM472J
	R619-622	CARBON FILM RESISTOR	RD1/4PM221J
	R623, 624	CARBON FILM RESISTOR	RD1/4PM222J
⚠	R625, 626	FUSLIBLE RESISTOR	RFA1/4PS470J
⚠	R627, 628	FUSLIBLE RESISTOR	RFA1/4PS221J
	R629, 630	RESISTOR (0.22, 5W)	ACN-146
⚠	R631, 632	CARBON FILM RESISTOR	RD1/4PMF222J
⚠	R633, 634	CARBON FILM RESISTOR	RD1/4PMF221J

Mark	No.	Description	Parts No.
	R635, 636	CARBON FILM RESISTOR	RD1/4PM223J
	R637, 638	CARBON FILM RESISTOR	RD1/4PM222J
	R639, 640	CARBON FILM RESISTOR	RD1/4PM682J
	R641	CARBON FILM RESISTOR	RD1/4PM182J
	R643, 644	CARBON FILM RESISTOR	RD1/4PM333J
⚠	R646	METAL OXIDE RESISTOR	RS2LMF821J
⚠	R647, 648	FUSLIBLE RESISTOR	RFA1/4PS100J
⚠	R649, 650	CARBON FILM RESISTOR	RD1/2PMF100J
⚠	R653–656	FUSLIBLE RESISTOR	RFA1/4PS4R7J
⚠	R659	METAL OXIDE RESISTOR	RS2LMF102J
⚠	R701	CARBON FILM RESISTOR	RD1/4PMF470J
⚠	R703	CARBON FILM RESISTOR	RD1/4PMF120J
	R709, 710	METAL OXIDE RESISTOR	RS2LMF2R2J
⚠	R715	RESISTOR (2.2M, 1/2W)	ACN–208
⚠	R716	CARBON FILM RESISTOR	RD1/2PMF561J
		Other resistors	RD1/8PM□□□J

OTHERS

	CN10	CONNECTOR (10P)	KPE10
	CN11	CONNECTOR (9P)	KPE9

HEADPHONE ASSEMBLY

SWITCH

	S601	SWITCH	ASG–413

RESISTORS

⚠	R651, 652	METAL OXIDE RESISTOR	RS2LMF181J
⚠	R657, 658	METAL OXIDE RESISTOR	RS2LMF151J

OTHERS

	CN	JACK	AKN1025

7. ADJUSTMENTS

7.1 TAPE DECK SECTION

7.1.1 Mechanical Adjustment

- Set the graphic equalizer to FLAT, the BALANCE control knob to Center.
- The function should always be set to " TAPE " unless otherwise specified.
- Test tape : STD−301 (3kHz 30min)

* SETTING OF HIGH SPEED MODE : Press the PLAY button to set to play condition, then connect TP14 to TP15.
When releasing, disconnect TP14 to TP15.

1. Adjustment of tape speed

No.	Mode	Input signal & Test tape	Adjustment Point		Measuring Location	Adjustment Value	Remarks
1	PLAY	Playback the STD−301 tape to 3 kHz.	Deck I	POWER assembly VR501	TP401 (Lch) or TP403 (Rch)	Press the PLAY button and adjust the frequency to 3010 Hz ±10 Hz. Make sure that the wow and flutter is within 0.2 %.	
2	PLAY (High speed mode)*			—		Set to high speed mode* and confirm that the frequency is 6000Hz ±1000Hz. Note down the figure.	Release the high speed mode after adjustment.
3	PLAY (High speed mode)*		Deck II	POWER assembly VR504		Set to high speed mode* and adjust the frequency to be within ±30Hz of the figure recorded at step No. 2.	Release the high speed mode after adjustment.
4	PLAY			POWER assembly VR502		Adjust the frequency to 3010 Hz ±10 Hz. Make sure that the wow and flutter is within 0.2 %.	

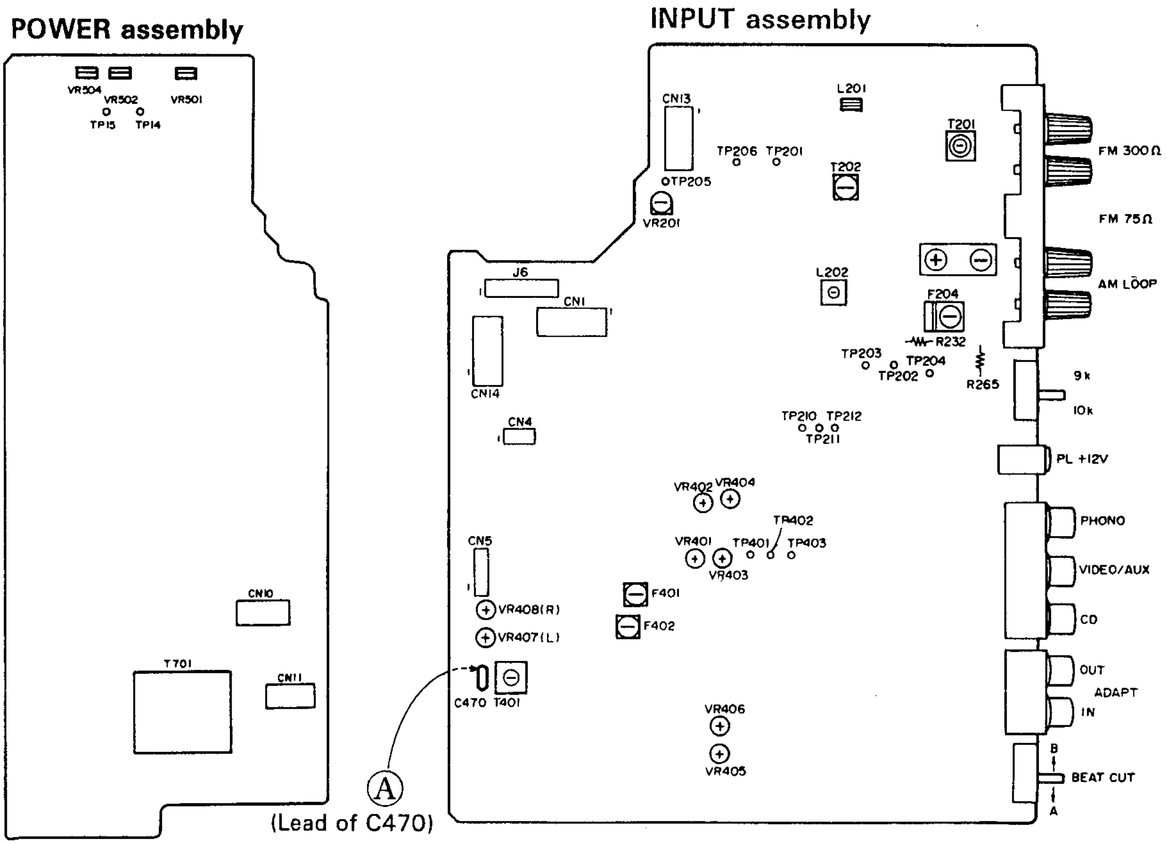

POWER assembly
VR504
VR502
VR501
TP15
TP14
CN10
T701
CN11
INPUT assembly
CN13
L201
T201
TP206
TP201
TP205
T202
VR201
FM 300Ω
FM 75Ω
AM LOOP
J6
CN1
L202
F204
R232
TP203
TP204
TP202
R265
9k
10k
CN14
CN4
TP210
TP212
TP211
PL +12V
VR402
VR404
TP402
VR401
TP401
TP403
VR403
PHONO
VIDEO/AUX
CN5
F401
CD
VR408(R)
VR407(L)
F402
C470
T401
OUT
ADAPT
IN
VR406
VR405
B
BEAT CUT
A
Ⓐ
(Lead of C470)

Fig. 7−1 Adjustment points

7.1.2 Electrical Adjustments

- Adjustment conditions

1. The mechanical adjustments must be completed first.
2. The head must be cleaned and demagntetized.
3. Turn power on allow the deck to warm up for at least a few minutes before commencing any electrical adjustments.
4. The reference signal is 0dBV = 1Vrms.
5. Unless otherwize specified, the switches listed below are left in the positions indicated.

   DOLBY NR : OFF

- Test tape

STD−331E	: Playback adjustments (See Fig. 7−2)
STD−631	: NORMAL blank tape
STD−621	: CrO2 blank tape
STD−610	: METAL blank tape

**As the reference recording level is 250nwb/m for STD−331E, the recording level will be higher by 4 dB for STD−331B (160nwb/m). When adjusting, pay carefull attention to the type of tape used.*

- List of adjustments

PLAYBACK SECTION
1. Head azimuth Adjustment.
2. Playback Level Adjustment.

RECORDING SECTION
1. Bias Oscillator Frequency Adjustment
2. Recording Bias Adjustment.
3. Recording Level Adjustment.

NOTE : This unit has an automatic tape selection feature.

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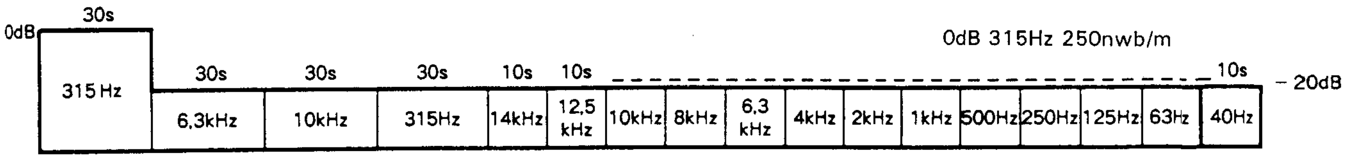


Fig. 7−2 Constants of the test tape STD−331E

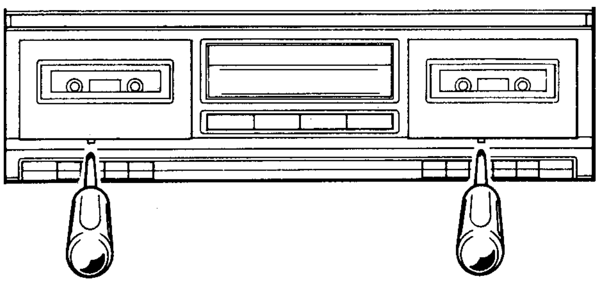


Fig. 7−3 Head azimuth Adjustment

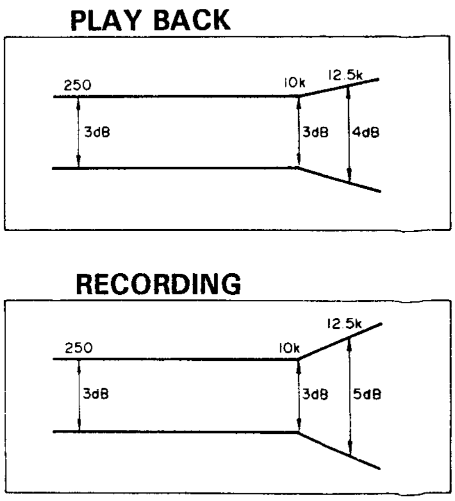


Fig. 7−4 Frequency Response

● PLAYBACK SECTION (DECK I, II)

1. Head Azimuth Adjustment

- Turn VR403, VR404 (DECK I) or VR401, VR402 (DECK II) to mechanical center positions.

No	Mode	Input Signal & Test tape	Adjustment Point	Measuring Location	Adjustment Value	Remarks
1	PLAY	Play the 10kHz/−20dB section of STD-331E test tape.	Head azimuth adjustment screw. (See Fig. 7−3)	TP401 (L) TP403 (R)	Maximum playback signal level.	
2	STOP	Lock the screw with screw lock after completing adjustment.				

2. Playback Level Adjustment

- This adjustment determines the DOLBY NR level, and must be performed with great care.

No	Mode	Input Signal & Test tape	Adjustment Point		Measuring Location	Adjustment Value	Remarks
1	PLAY	Play the 315Hz/0dB section of the STD−331E test tape.	Deck I	VR403 (Lch) VR404 (Rch)	TP401 (Lch) TP403 (Rch)	−1.2dBV ±0.5dBV	Adjust the playback level first at DECK I, and then at DECK II.
			Deck II	VR401 (Lch) VR402 (Rch)			

● RECORDING SECTION (DECK II)

1. Bias Oscillator Frequency Adjustment

- Set the BEAT CUT switch to the A position.

No	Mode	Input Signal & Test tape	Adjustment Point	Measuring Location	Adjustment Value	Remarks
1	PLAY	Load the STD−631 test tape with no input signal.	T401 (Bias oscillator frequency)	Between A and A in Fig. 7−1.	105kHz±1kHz	

NOTE :

When the BEAT CUT switch is set to B, the frequency is 2 or 3kHz lower than when that switch is at 1. This avoids the beat sound that can be generated during recording.

2. Recording Bias Adjustment

- Set the FUNCTION to the CD position.

No	Mode	Input Signal & Test tape	Adjustment Point		Measuring Location	Adjustment Value	Remarks
1	REC/ PAUSE (DECK II)	Apply a signal of 315Hz to the CD input terminals.	Input signal level		TP401 (Lch) TP401 (Rch)	−25.2dBV	
2	REC/ PLAY (DECK II)	Record the 315Hz and 10kHz signals onto the STD−631 test tape, and playback. The 315Hz and 10kHz signals are the same level.	Deck I	—	TP401 (Lch) TP403 (Rch)	Repeatedly record, playback and adjust so that the playback level of 10kHz signal becomes 0dB±0.5dB when compared with the 315Hz signal.	
			Deck II	VR407 (Lch) VR408 (Rch)			

3. Recording Level Adjustment

- Set the FUNCTION to the CD position.

No	Mode	Input Signal & Test tape	Adjustment Point	Measuring Location	Adjustment Value	Remarks
1	REC/ PAUSE	Apply a 315Hz/0dBV signal to the CD input terminals.	Input signal level	TP401 (Lch) TP403 (Rch)	−5.2 dBV	
2	REC/ PLAY	Record the above signal onto the STD−631 test tape, and playback.	VR405 (Lch) VR406 (Rch)	TP401 (Lch) TP403 (Rch)	−5.2dBV ±0.5dB	
3	REC/ PLAY	Record the above signal onto the STD−621 test tape, and playback.	Confirm	TP401 (Lch) TP403 (Rch)	−4.5dBV ±2dB	

7.2 TUNER SECTION

7.2.1 FM Tuner Adjustment

- Adjustment point are as shown in Fig. 7−1.
- Make the wire connections as shown in Fig. 7−5.
- Set the FUNCTION to FM.

Step	Adjustment Name	FM SG (1kHz±75kHz dev.)		RX−750 Reception frequency indication	Adjustment	
		Frequency (MHz)	Level (dBμV)		Adjustment Point	Specification
1	VT voltage confirmation	No input signal		87.5MHz	—	3.5V±1.5V
				108MHz	(L201)*1	8.7V$\pm^{1.3}_{2}$ V
2	Center meter adjustment	98	60	98MHz	L202	Adjust so that the voltage between TP202 and TP203 is 0±10mV.
3	VCO adjustment	98 (No modulation)	80	98MHz	VR201	Adjust so that the frequency between TP205 and GND becomes 76kHz±0.1kHz
4	MPX distortion adjustment	98	80	98MHz	(T202)*2	Minimize distortion in both left(TP210) and right (TP212) channel outputs (adjust T202 to with in ±90°)
		Stereo modulation *3				

**1 : When VT at 108MHz exceeds 10 volts, adjust L201.*

**2 : Perform the above adjustment only when the distortion factor check exceeds 1.5 %*

**3 : (Stereo modulation) : Main (1kHz, L+R) ±68.25kHz deviation, Pilot 19kHz±6.75kHz deviation.*

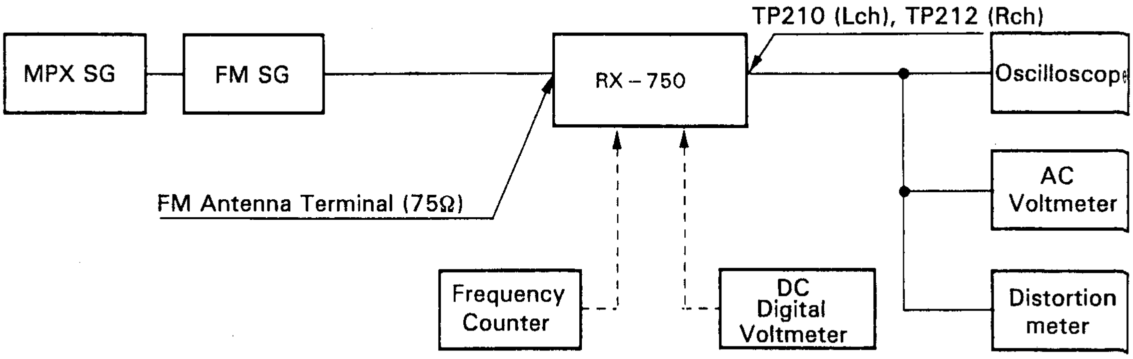


Fig. 7−5 FM Adjustment Connection Diagram

7.2.2 AM Tuner Adjustment

- Adjustment point are as shown in Fig. 7−1.
- Make the wire connections as shown in Fig. 7−6.
- Set the FUNCTION to AM.

Step	Adjustment Name	AM SG (400Hz, 30% mod.)		RX−750 Reception frequency indication	Adjustment	
		Frequency (kHz)	Level (dBμV/m)		Adjustment Point	Specification
1	TUNE IND. lighting confirmation	1000	Less than 60	1000	R232*	TUNE IND. lighting

* : Separate the R232 if out of specification.

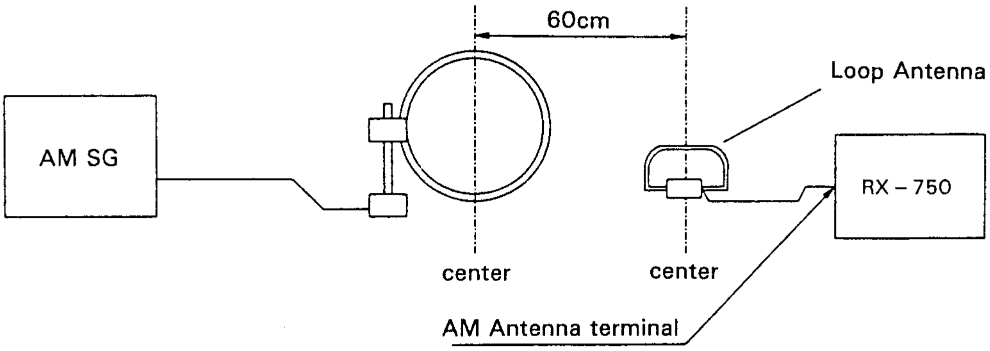

60cm
Loop Antenna
AM SG
RX − 750
center
center
AM Antenna terminal

Fig. 7−6 AM Adjustment Connection Diagram

7.3 PRO-LOGIC ADJUSTMENT (RX − 750 SERIES)

- Input signal : L, R negative phase, 1kHz sine wave Input when pin29 of LA2780 reaches 300mV.
- Adjustment method : Adjust VR1901 so that 300mV is output to pin46 of LV1001M.

7.4 DOLBY SURROUND ADJUSTMENT (RX − 550 SERIES)

- Input signal : Single channel, 1kHz sine wave, 260mV
- Adjustment method : Adjust VR801 so that 71mV is output to the TP terminal (after passing R834).

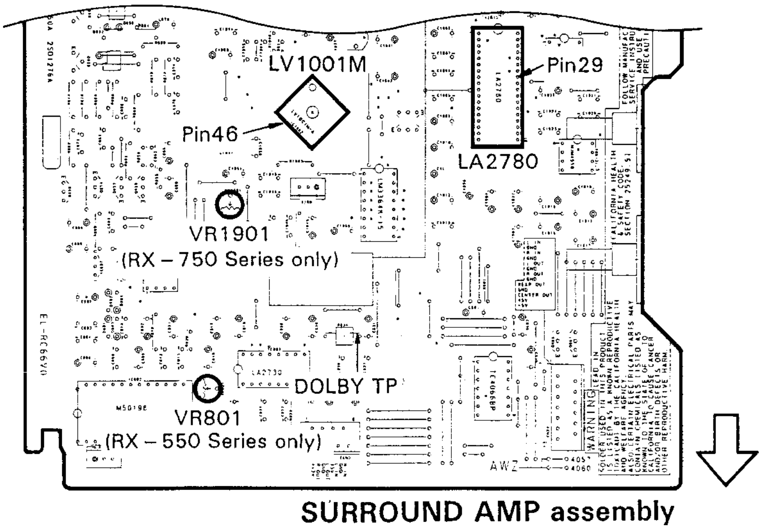

LV1001M
Pin29
Pin46
LA2780
VR1901
(RX − 750 Series only)
DOLBY TP
VR801
(RX − 550 Series only)
SURROUND AMP assembly

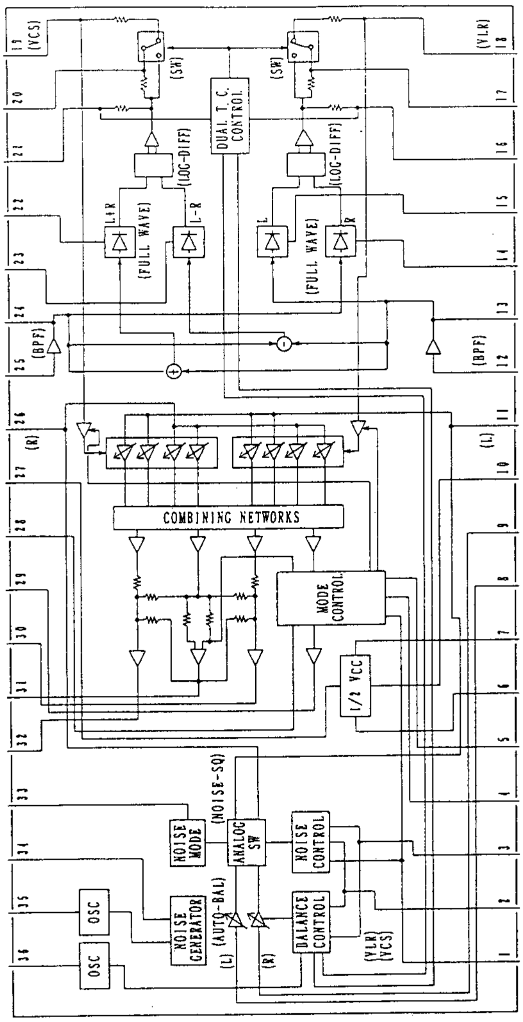
Fig. 7−7 Adjustment points

8. IC INFORMATION

- *The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.*

8.1 LA2780 (IC1901)

● Block Diagram


(VCS)
(VLR)
(SW)
(SW)
DUAL T.C. CONTROL
(LOG-DIFF)
(LOG-DIFF)
L+R
L-R
L
R
(FULL WAVE)
(FULL WAVE)
(BPF)
(BPF)
(R)
(L)
COMBINING NETWORKS
MODE CONTROL
1/2 VCC
(NOISE-SQ)
NOISE MODE
ANALOG SW
NOISE CONTROL
OSC
OSC
NOISE GENERATOR
(AUTO-BAL)
(L)
(R)
BALANCE CONTROL
(VLR)
(VCS)
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36

● Pin Function

No.	Description
1	3-ch logic/4-ch pro-logic/noise sequencer selector switch
2	Noise sequencer LSB
3	Noise sequencer MSB/auto balance operating switch
4	Center mode switch 1
5	Center mode switch 2
6	VREF
7	AC GND
8	LT input terminal
9	RT input terminal
10	GND
11	LT output (noise sequencer/auto balance output)
12	LT full-wave rectification input buffer input terminal
13	LT full-wave rectification input buffer output terminal
14	For R signal full-wave rectification smoothing capacitor
15	For L signal full-wave rectification smoothing capacitor
16	For VLR 2-step time-constant threshold voltage smoothing capacitor
17	VLR 2-step time-constant capacitor
18	VLR 2-step time-constant capacitor
19	VCS 2-step time-constant capacitor
20	VCS 2-step time-constant capacitor
21	For VCS 2-step time-constant threshold voltage smoothing capacitor
22	For L+R signal full-wave rectification smoothing capacitor
23	For L−R signal full-wave rectification smoothing capacitor
24	RT full-wave rectification input buffer output terminal
25	RT full-wave rectification input buffer input terminal
26	RT output (noise sequencer/auto balance output)
27	Vcc
28	Center mode setting capacitor
29	S output
30	R output
31	C output
32	L output
33	Pseudo-random noise input terminal
34	Pseudo-random noise output terminal
35	Pseudo-random noise generator oscillation circuit capacitor
36	Auto balance oscillation circuit capacitor

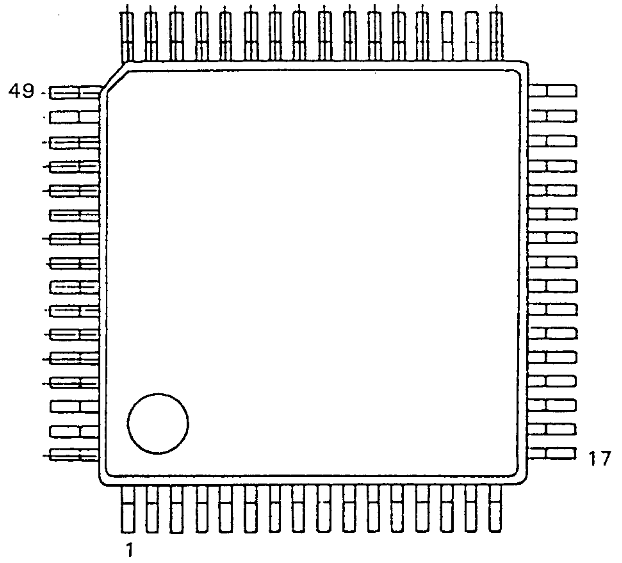
● Pin Mode Setting

Pin No.	Setting	Mode
Pin 1	VDD	3-ch logic
	1/2 VDD	Pro logic
	GND	Noise sequencer
Pin 2	"L"	Auto balance test mode
		Noise sequencer LSB "L"
	"H"	Auto balance operating mode
		Noise sequencer LSB "H"
Pin 3	"L"	Auto balance stop mode
		Noise sequencer MSB "L"
	"H"	Auto balance operating mode
		Noise sequencer MSB "H"

Note :
The auto balance test mode is only for checking the auto balance function. Normally it is not used.

8.2 LV1001M (IC1902)

● Pin Assignment



● Pin Function

No.	Description
1	Operating threshold voltage decoupling capacitor
2	Detection output smoothing capacitor
3	Sliding band filter capacitor and delay output
4	Sliding band filter capacitor
5	Pre-emphasis capacitor
6	Detection input filter
7	Detection input filter
8	Reference voltage (1/2 Vcc) at the primary side
9	Reference voltage (1/2 Vcc) at the secondary side
10	Mute control input terminal
11	Vcc
12	VDD
13	Clock in serial input. Data input in parallel input.
14	Data in serial input. Data input in parallel input.
15	Column address selection in serial input. Data input in parallel input.
16	Low address selection in serial input. Data input in parallel input.
17	VDD
18−24	Connection the memory to IC
25	Vss
26−32	Connection the memory to IC
33	Crystal oscillator for oscillation circuit
34	Crystal oscillator for oscillation circuit
35	Switching between the long mode and short mode
36	Switching between serial input and parallel input
37	Test mode terminal. Normally used in open or Vss.
38	NR smoothing capacitor
39	NR smoothing capacitor
40	Control amplifier frequency characteristics capacitor
41	Variable resistor input
42	NR output
43	7 kHz low-pass filter output
44	NR input
45	Decoupling capacitor
46	Delay output and NR output
47	Mute circuit input
48	Mute circuit output
49	7 kHz filter output
50	7 kHz filter input
51	GND
52	R channel input
53	L channel input
54	Matrix output decoupling capacitor
55	Noise shaping and delay input
56	Noise shaping output
57	Delay input signal selector switch (L+R/L−R)
58	Filter of the comparator power supply
59	Detection input filter
60	Detection input filter
61	Pre-emphasis capacitor
62	Sliding band filter capacitor
63	Sliding band filter capacitor and local decoder output
64	Detection output smoothing capacitor

9. FOR RX – 750S/KUC, KUC/CA, RX – 751/KU, RX – 550/KUC, KUC/CA AND RX – 551/KU TYPES

9.1 CONTRAST OF MISCELLANEOUS PARTS

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

RX – 750S/KUC, KUC/CA, RX – 751/KU, RX – 550/KUC, KUC/CA, RX – 551/KU and RX – 750/KUC have the same construction except for the following :

Mark	Symbol & Description	Part No.					Remarks
		RX – 750/ KUC type	RX – 750S/ KUC, KUC/CA type	RX – 751/ KU type	RX – 550/ KUC, KUC/CA type	RX – 551/ KU type	
◉	DISPLAY assembly	AWZ4050	AWZ4050	AWZ4050	AWZ4062	AWZ4062	
NSP	REAR CENTER VOL assembly	AWZ4055	AWZ4055	AWZ4055	....	....	
NSP	REAR VOL assembly	....	....	....	AWZ4058	AWZ4058	
NSP	MAIN VOL assembly	AWZ4056	AWZ4056	AWZ4056	AWZ4059	AWZ4059	
◉	SURROUND AMP assembly	AWZ4057	AWZ4057	AWZ4057	AWZ4060	AWZ4060	
◉	POWER assembly	AWZ4080	AWZ4080	AWZ4771	AWZ4080	AWZ4080	
	Decorative plate (AMP)	AAK2288	AAK2288	AAK2288	AAK2290	AAK2290	
	Decorative plate B (GEQ)	AAK2136	AAK2136	AAK2159	AAK2136	AAK2159	
	Decorative plate (DECK)	AAK2289	AAK2289	AAK2328	AAK2289	AAK2328	
	Door L	AAN1337	AAN1337	AAN1339	AAN1337	AAN1339	
	Door R	AAN1338	AAN1338	AAN1340	AAN1338	AAN1340	
	Front panel	AMB1977	AMB1977	AMB1978	AMB1975	AMB1976	
NSP	Rear panel	ANC1880	ANC1880	ANC1881	ANC1884	ANC1885	
	Packing case	AHD2276	AHD2278	AHD2277	AHD2274	AHD2275	
	Remote control unit (CU – RX013)	AXD1265	....	AXD1265	....	....	
	Remote control unit (CU – AV008)	....	AXD1266	....	....	....	
	Remote control unit (CU – RX012)	....	....	....	AXD1264	AXD1264	
	Battery cover	AZN2189	....	AZN2189	AZN2189	AZN2189	
	Operating instructions (French)	....	ARC1369	....	ARC1369	....	For KUC/CA only
	Operating instructions (English)	....	ARE1246	....	....	....	For REMOCON

Note : For RAER VOL assembly (AWZ4058), MAIN VOL assembly (AWZ4059) and SURROUND AMP assembly (AWZ4060), refer to "9.2 PCB PARTS LIST".

DISPLAY ASSEMBLY

DISPLAY assembly (AWZ4062) and DISPLAY assembly (AWZ4050) have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ4050	AWZ4062	
	Q55, Q56	RN1201	....	
	Q68, Q70	RN2201	....	
	D50	HSS104-02	....	
	D57, D63, D64	....	HSS104-02	
	D72, D73	AEL1119	....	
	D85-D87, D99	HSS104-02	....	
	D89	AEL1038	....	
	S79	ASG1034	....	
	C66	CEAS470M25	....	
	C71	CEAS4R7M50	....	
	R50	RD1/8PM101J	....	
	R99	RD1/8PM821J	....	
	R101	RD1/8PM102J	....	
	R104	....	RD1/8PM472J	
	R106	RD1/8PM271J	....	
	R125	....	RD1/8PM472J	

POWER ASSEMBLY

POWER assembly (AWZ4771) and POWER assembly (AWZ4080) have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ4080	AWZ4771	
⚠	R653-R656	RFA1/4PS4R7J	....	

9.2 PCB PARTS LIST
(FOR RX – 550 AND RX – 551)

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω → 56×10^1 → 561 .... RD1/8PM ⁵ ⁶ ¹ *J*

Using boxed digits:

560Ω → 56×10^1 → 561 .... RD1/8PM $\boxed{5}\,\boxed{6}\,\boxed{1}$ *J*
47kΩ → 47×10^3 → 473 .... RD1/4PS $\boxed{4}\,\boxed{7}\,\boxed{3}$ *J*
0.5Ω → 0R5 .... RN2H $\boxed{0}\,\boxed{R}\,\boxed{5}$ *K*
1Ω → 010 .... RS1P $\boxed{0}\,\boxed{1}\,\boxed{0}$ *K*

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).
5.62kΩ → 562×10^1 → 5621 .... RN1/4PC $\boxed{5}\,\boxed{6}\,\boxed{2}\,\boxed{1}$ *F*

REAR VOL ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1001	OP-AMP IC	RC4558DXP
	IC1002	MECHANISM DRIVER IC	TA7291S

CAPACITORS

Mark	No.	Description	Parts No.
	C1001	ELECT. CAPACITOR	CEAS101M16
	C1003	ELECT. CAPACITOR	CEAS2R2M50
	C1005, 1006	CERAMIC CAPACITOR	CKCYB472K50
	C1008	CERAMIC CAPACITOR	CKCYF473Z50
	C1009	ELECT. CAPACITOR	CEAS2R2M50

RESISTORS

Mark	No.	Description	Parts No.
	VR1001	VARIABLE RESISTOR (100k)	ACX1053
		Other resistors	RD1/8PM□□□J

MAIN VOL ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC1051, 1052	OP-AMP IC	RC4558DXP
	IC1053	MECHANISM DRIVER IC	TA7291S
	Q1001–1003	TRANSISTOR	2SC2458

CAPACITORS

Mark	No.	Description	Parts No.
	C1053, 1054	ELECT. CAPACITOR	CEAS2R2M50
	C1055, 1056	ELECT. CAPACITOR	CEAS101M10
	C1057, 1058	CERAMIC CAPACITOR	CCCSL330J50
	C1059, 1060	CERAMIC CAPACITOR	CKCYB472K50
	C1061	ELECT. CAPACITOR	CEAS101M16
	C1063	ELECT. CAPACITOR	CEAS2R2M50
	C1067	CERAMIC CAPACITOR	CKCYF473Z50

RESISTORS

Mark	No.	Description	Parts No.
	VR1051	VR (100k)	ACX1037
		Other resistors	RD1/8PM□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN26	CONNECTOR (14P)	KPE14

SURROUND AMP ASSEMBLY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC801	OP-AMP IC	NJM4558DXP
	IC802	IC	M50198P
	IC803	DOLBY-B IC	LA2730
	IC806	REGULATOR IC	NJM79M12FA
	IC807	REGULATOR IC	NJM78M05FAS
	Q851, 853	TRANSISTOR	2SA992
	Q855	TRANSISTOR	2SC1845
	Q857	TRANSISTOR	2SC2458
	Q859	TRANSISTOR	2SD1276A
	Q861	TRANSISTOR	2SB950A
	Q862	TRANSISTOR	2SA1048
	Q863	TRANSISTOR	2SD438
	Q865, 868	TRANSISTOR	RN2203
	Q869	TRANSISTOR	RN1201
	Q870	TRANSISTOR	RN1203
	D801–804	DIODE	HSS104-02
	D854	DIODE	HSS104-02
	D855	DIODE	D3SBA20 (A)
	D859, 860	ZENER DIODE	RD12ESB
	D863, 864	DIODE	HSS104-02
	D868	DIODE	HSS104-02

RELAY

Mark	No.	Description	Parts No.
	RY801	RELAY	ASR1035

Mark	No.	Description	Parts No.
	COIL		
	L861	COIL	ATH-133
	CAPACITORS		
	C801	CERAMIC CAPACITOR	CKSQYB472K50
	C802	ELECT. CAPACITOR	CEHAQ100M50
	C803	MYLAR FILM CAPACITOR	CQMA562J50
	C804	MYLAR FILM CAPACITOR	CQMA561J50
	C805	CERAMIC CAPACITOR	CKSQYB473K50
	C806	ELECT. CAPACITOR	CEAS470M16
	C807	CERAMIC CAPACITOR	CKSQYB103K50
	C808	AUDIO FILM CAPACITOR	CFTXA104J50
	C809	ELECT. CAPACITOR	CEAS470M16
	C810, 811	AUDIO FILM CAPACITOR	CFTXA474J50
	C812	AUDIO FILM CAPACITOR	CFTXA104J50
	C813	MYLAR FILM CAPACITOR	CQMA561J50
	C814	MYLAR FILM CAPACITOR	CQMA562J50
	C816	ELECT. CAPACITOR	CEAS100M50
	C817	MYLAR FILM CAPACITOR	CQMA153J50
	C818	ELECT. CAPACITOR	CEAS100M50
	C819	ELECT. CAPACITOR	CEAS470M16
	C820	ELECT. CAPACITOR	CEASR33M50
	C821	AUDIO FILM CAPACITOR	CFTXA104J50
	C822	AUDIO FILM CAPACITOR	CFTXA333J50
	C823	ELECT. CAPACITOR	CEAS010M50
	C824	ELECT. CAPACITOR	CEAS220M25
	C825	ELECT. CAPACITOR	CEAS101M10
	C826	MYLAR FILM CAPACITOR	CQMA472J50
	C827	AUDIO FILM CAPACITOR	CFTXA333J50
	C828, 829	ELECT. CAPACITOR	CEAS100M50
	C830	CERAMIC CAPACITOR	CKSQYB472K50
	C831	ELECT. CAPACITOR	CEAS2R2M50
	C832, 833	ELECT. CAPACITOR	CEAS220M25
	C835, 836	ELECT. CAPACITOR	CEAS101M16
	C861	ELECT. CAPACITOR	CEHAQ2R2M50
	C863	CERAMIC CAPACITOR	CKCYB222K50
	C865	CERAMIC CAPACITOR	CKCYB102K50
	C867	ELECT. CAPACITOR	CEAS470M16
	C869	CERAMIC CAPACITOR	CCCSL330J50
	C871	ELECT. CAPACITOR	CEAS470M16
	C873	CERAMIC CAPACITOR	CCCSL101J50
	C875, 877	AUDIO FILM CAPACITOR	CFTXA823J50
	C878	ELECT. CAPACITOR (2200/42)	ACH1109

Mark	No.	Description	Parts No.
	C879	ELECT. CAPACITOR	CEAS102M35
	C883	CERAMIC CAPACITOR	CKCYF103Z50
	C884	ELECT. CAPACITOR	CEAS220M25
	C887	ELECT. CAPACITOR	CEHAQ330M35
	C888, 889	ELECT. CAPACITOR	CEHAQ220M50
	RESISTORS		
	VR801	VR	VRTB6VS223
	VR802	VR (250k)	ACS1038
	R801	CARBON FILM RESISTOR	RD1/8PM102J
	R819	CARBON FILM RESISTOR	RD1/8PM103J
	R820	CARBON FILM RESISTOR	RD1/8PM392J
	R822	CARBON FILM RESISTOR	RD1/8PM390J
	R824	CARBON FILM RESISTOR	RD1/8PM274J
	R834, 837	CARBON FILM RESISTOR	RD1/8PM102J
	R845	FUSLIBLE RESISTOR	RFA1/4PS101J
	R855	CARBON FILM RESISTOR	RD1/4PM100J
	R857	CARBON FILM RESISTOR	RD1/8PM102J
	R859	CARBON FILM RESISTOR	RD1/8PM273J
	R861	CARBON FILM RESISTOR	RD1/4PM103J
	R863	CARBON FILM RESISTOR	RD1/4PM222J
	R865	CARBON FILM RESISTOR	RD1/8PM221J
	R867	CARBON FILM RESISTOR	RD1/4PM431J
	R869	CARBON FILM RESISTOR	RD1/4PM273J
	R870	CARBON FILM RESISTOR	RD1/8PM103J
	R873, 875	CARBON FILM RESISTOR	RD1/4PM222J
	R877	CARBON FILM RESISTOR	RD1/8PM122J
	R879	CARBON FILM RESISTOR	RD1/4PMF470J
	R881	CARBON FILM RESISTER	RD1/8PM511J
	R883	CARBON FILM RESISTOR	RD1/4PM221J
	R885, 887	METAL OXIDE RESISTOR	RS2LMFR47J
	R889	CARBON FILM RESISTOR	RD1/8PM682J
	R891	CARBON FILM RESISTOR	RD1/2PM100J
	R893	CARBON FILM RESISTOR	RD1/8PM683J
	R894	CARBON FILM RESISTOR	RD1/2PM102J

Mark	No.	Description	Parts No.
	R895	METAL OXIDE RESISTOR	RS2LMFR22J
	R896	METAL OXIDE RESISTOR	RS2LMF681J
	R897	CARBON FILM RESISTOR	RD1/8PM104J
	R898, 900	METAL OXIDE RESISTOR	RS2LMF681J
		Other resistors	RS1/10S□□□J
OTHERS			
		SPEAKER TERMINAL 4-P	AKE1012
	CN22	CONNECTOR (8P)	KPE8
	CN23	CONNECTOR (9P)	KPE9
	CN24	CONNECTOR (13P)	KPE13
	CN25	CONNECTOR (13P)	KPE13
	CN30	CONNECTOR (7P)	KPC7
	X801	CERAMIC OSCILLATOR (3.27MHz)	ASS1016

10. REMOTE CONTROL UNIT [(AXD1266) CU-AV008]

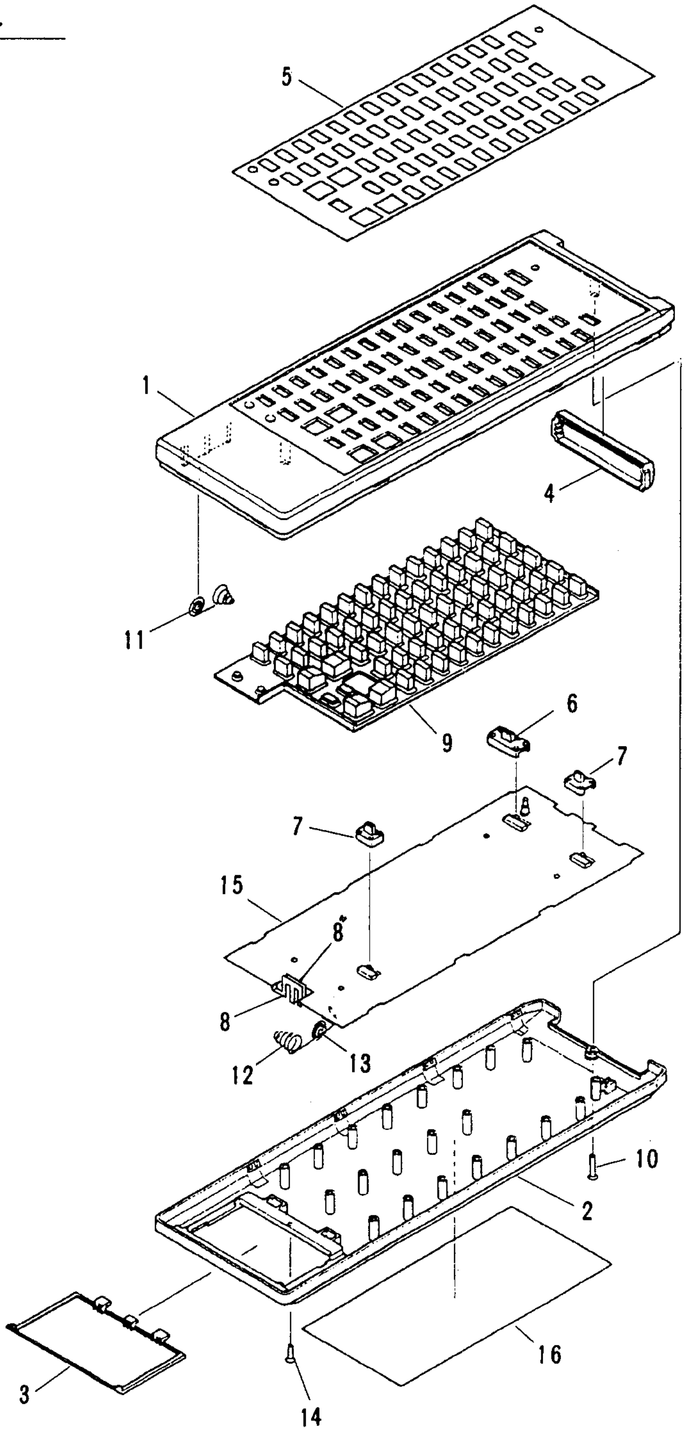
10.1 EXPLODED VIEW AND PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

Parts list of Exterior

Mark	No.	Description	Parts No.
	1	CASE (A)	AZN1968
	2	CASE B	AZN1969
	3	BATTERY COVER	AZA1297
	4	FILTER	AZA1139
	5	NAME PLATE	AZA1397
	6	KNOB (A)	AZA1142
	7	KNOB (B)	AZA1143
	8	REMOTE POWER [SW1 (A)]	AZS1077
	8″	REMOTE POWER [SW1 (B)]	AZS1092
	9	RUBBER SHEET	AZA1398
	10	SCREW	AZA1146
	11	ELECTRODE SPRING	AZB1268
	12	ELECTRODE SPRING	AZB1269
	13	ELECTRODE SPRING	AZB1270
	14	SCREW	AZA1298
◉	15	P. C. BOARD	AZW1060
	16	LABEL	AZA1241



10.2 PCB PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

  Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

  $560\Omega \rightarrow 56 \times 10^1 \rightarrow 561$ .... *RD1/8PM* $\boxed{5}\ \boxed{6}\ \boxed{1}$ *J*
  $47k\Omega \rightarrow 47 \times 10^3 \rightarrow 473$ .... *RD1/4PS* $\boxed{4}\ \boxed{7}\ \boxed{3}$ *J*
  $0.5\Omega \rightarrow$ *0R5*... *RN2H* $\boxed{0}\ \boxed{R}\ \boxed{5}$ *K*
  $1\Omega \rightarrow$ *010*... *RS1P* $\boxed{0}\ \boxed{1}\ \boxed{0}$ *K*

  Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

  $5.62k\Omega \rightarrow 562 \times 10^1 \rightarrow 5621$ .... *RN1/4PC* $\boxed{5}\ \boxed{6}\ \boxed{2}\ \boxed{1}$ *F*

SEMICONDUCTORS

Mark	Symbol & Description	Part No.
	IC1	PDG085A
	IC2	AZC1232
	Q1	AZC1229
	Q2	AZC1230
	Q3	AZC1231
	D2	AZC1224
	D4	AZC1225
	D5	AZC1226
	D6−D9, D11	AZC1228
	D10	AZC1227

SWITCHES

Mark	Symbol & Description	Part No.
	S01, S06 Slide switch (AUDIO/ VIDEO, SUR/AMP)	AZS1073
	S03, S04 Slide switch (SR/USE/LEARN)	AZS1074
	SW1 (A) REMOTE POWER	AZS1092
	SW1 (B) REMOTE POWER	AZS1077

CAPACITORS

Mark	Symbol & Description	Part No.
	C1, C2 (100μF/6V)	AZC1253
	C3 (10μF/16V)	AZC1254
	C4, C5 (100pF)	AZC1222
	C6, C8−C10 (0.01μF)	AZC1220
	C7 (1000pF)	AZC1221

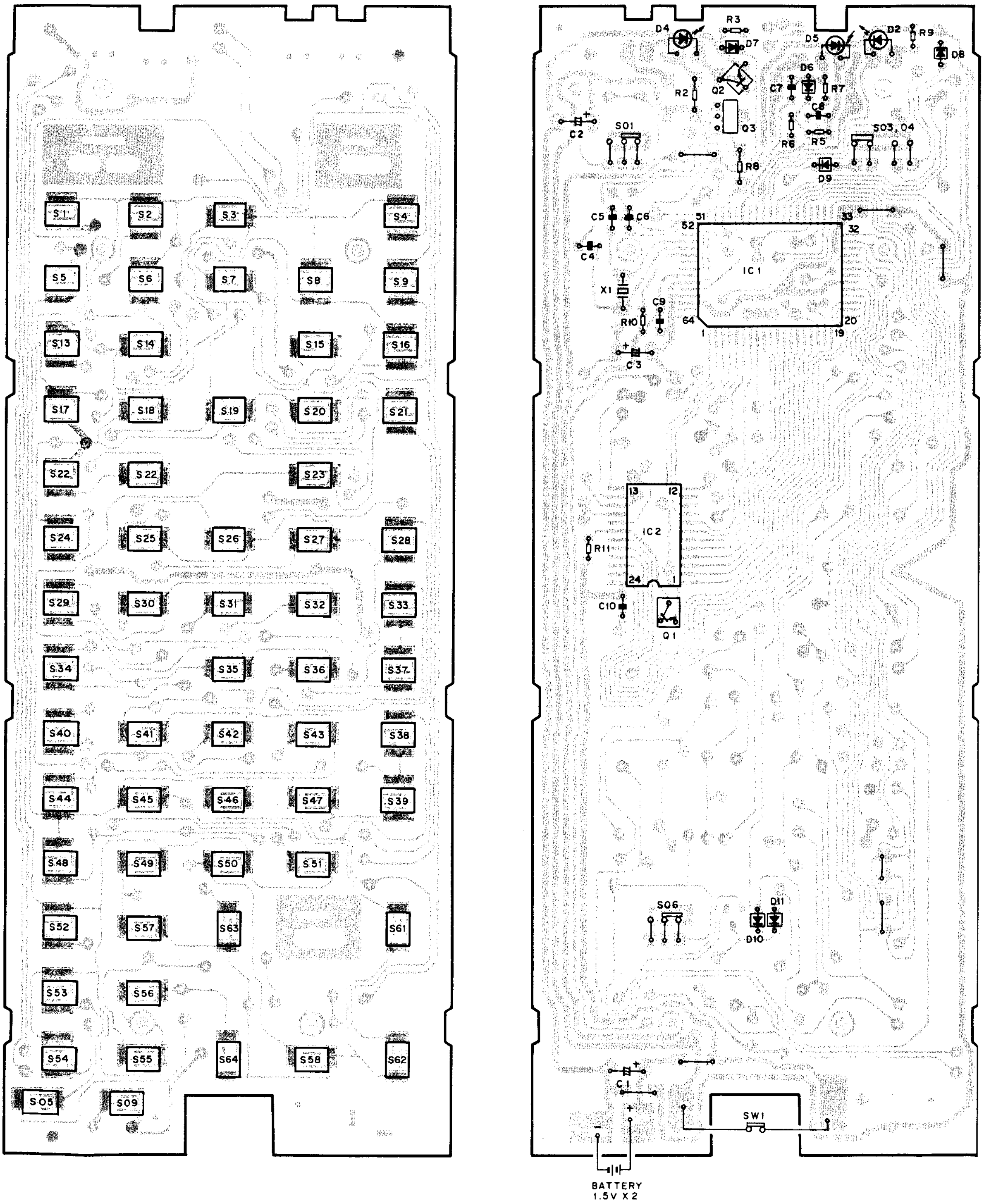
RESISTORS

Mark	Symbol & Description	Part No.
	R2 (2.7Ω)	AZC1219
	R3 (100kΩ)	AZC1210
	R4 (680Ω)	AZC1217
	R5 (8.2kΩ)	AZC1214
	R6 (4.7kΩ)	AZC1215
	R7 (33kΩ)	AZC1211
	R8 (1.1MΩ)	AZC1261
	R9 (1kΩ)	AZC1216
	R10 (10kΩ)	AZC1213
	R11 (22kΩ)	AZC1212

OTHERS

Mark	Symbol & Description	Part No.
	X1 Ceramic resonator (2.0MHz)	AZC1223

10.3 P. C. BOARD PATTERN


S1
S2
S3
S4
S5
S6
S7
S8
S9
S13
S14
S15
S16
S17
S18
S19
S20
S21
S22
S22
S23
S24
S25
S26
S27
S28
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S34
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S36
S37
S40
S41
S42
S43
S38
S44
S45
S46
S47
S39
S48
S49
S50
S51
S52
S57
S63
S61
S53
S56
S54
S55
S64
S58
S62
S05
S09
D4
R3
D7
D5
D2
R9
D8
D6
R2
Q2
C7
R7
C8
Q3
R6
R5
C2
S01
S03, 04
R8
D9
C5
C6
51
52
33
32
C4
IC1
X1
C9
R10
64
1
20
19
C3
13
12
IC2
R11
24
1
C10
Q1
S06
D11
D10
C1
SW1
BATTERY
1.5V X 2

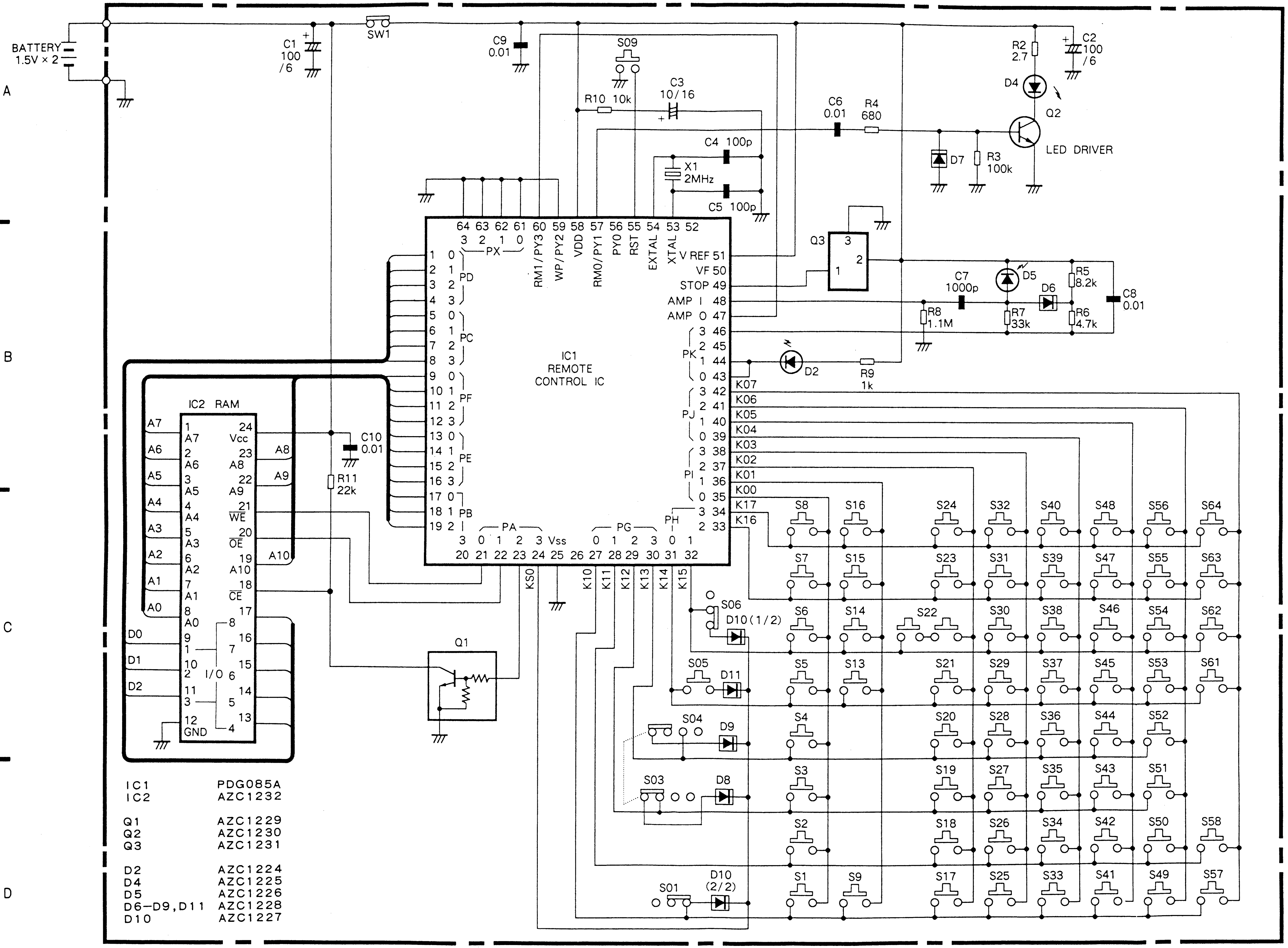
: Indicates a chip resistor.

: Indicates a chip capacitor.

: Indicates a chip transistor.

: Indicates a chip diode.

10.4 SCHEMATIC DIAGRAM


A
B
C
D
BATTERY 1.5V × 2
C1 100 /6
SW1
C9 0.01
S09
R10 10k
C3 10/16
C6 0.01
R4 680
C4 100p
X1 2MHz
C5 100p
R2 2.7
C2 100 /6
D4
Q2
LED DRIVER
D7
R3 100k
Q3
C7 1000p
D5
R5 8.2k
D6
C8 0.01
R8 1.1M
R7 33k
R6 4.7k
D2
R9 1k
IC1 REMOTE CONTROL IC
64 63 62 61 60 59 58 57 56 55 54 53 52
PX
RM1/PY3
WP/PY2
VDD
RM0/PY1
PY0
RST
EXTAL
XTAL
V REF 51
VF 50
STOP 49
AMP I 48
AMP O 47
PD
PC
PF
PE
PB
PK
PJ
PI
PH
PA
PG
Vss
20 21 22 23 24 25 26 27 28 29 30 31 32
K07
K06
K05
K04
K03
K02
K01
K00
K17
K16
KS0
K10
K11
K12
K13
K14
K15
IC2 RAM
A7 A6 A5 A4 A3 A2 A1 A0
A8 A9 A10
Vcc
WE
OE
CE
I/O
GND
D0 D1 D2
C10 0.01
R11 22k
Q1
S06
D10(1/2)
S05
D11
S04
D9
S03
D8
S01
D10 (2/2)
S1 S2 S3 S4 S5 S6 S7 S8 S9
S13 S14 S15 S16
S17 S18 S19 S20 S21 S22 S23 S24
S25 S26 S27 S28 S29 S30 S31 S32
S33 S34 S35 S36 S37 S38 S39 S40
S41 S42 S43 S44 S45 S46 S47 S48
S49 S50 S51 S52 S53 S54 S55 S56
S57 S58 S61 S62 S63 S64

IC1	PDG085A
IC2	AZC1232
Q1	AZC1229
Q2	AZC1230
Q3	AZC1231
D2	AZC1224
D4	AZC1225
D5	AZC1226
D6–D9, D11	AZC1228
D10	AZC1227

1. RESISTORS :
Indicated in Ω, 1/4W, 1/6W and 1/8W, ± 5 % tolerance unless otherwise noted k ; kΩ, M ; MΩ, (F) ; ± 1 %, (G) ; ± 2 %, (K) ; ± 10 %, (M) ; ± 20 % tolerance.

2. CAPACITORS :
Indicated in capacity (μF) /voltage (V) unless otherwise noted p ; pF. Indication without voltage is 50V except electrolytic capacitor.

3. OTHERS :
➡ ; Signal route.
⊘ ; Adjusting point.
The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
※ marked capacitors and resistors have parts numbers.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

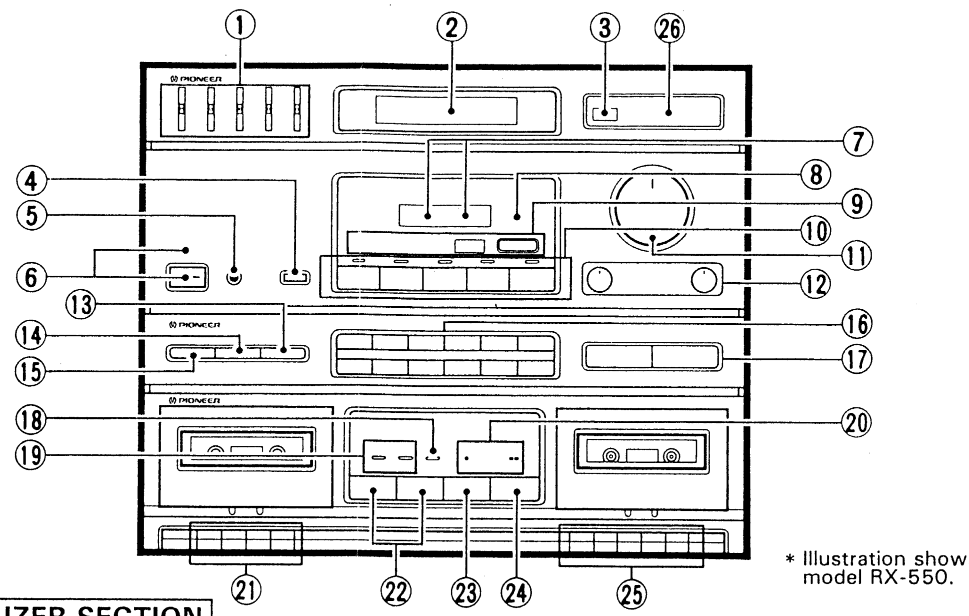
4. SWITCHES : (The underlined indicates the switch position)
SW1 : REMOTE POWER
S01 : AUDIO/VIDEO

	SR RECALL	USE	LEARN
S03	ON	OFF	OFF
S04	OFF	OFF	ON

S05 : M – CLR
S06 : CENTER/REAR
S09 : RESET

S1 : AMP
S2 : TV POWER
S3 : VCR
S4 : SLEEP AMP/TV
S5 : V/AUX
S6 : TAPE
S7 : TUNER
S8 : PHONO
S9 : CD
S13 : PGM
S14 : DISC/DISPLAY
S15 : ⏮/CHP/FR – TM
S16 : ⏭ SEARC
S17 : ◀◀ CD/VDP
S18 : ❙❙
S19 : ■
S20 : ▶
S21 : ▶▶
S22 : ● (REC)
S23 : ❙❙
S24 : ◀◀
S25 : ◀/TV/VCR TAPE (DECK II) /VCR
S26 : ■
S27 : ▶
S28 : ▶▶
S29 : ◀◀/TV
S30 : ◀/VDP
S31 : ■/VCR TAPE (DECK I) /VCR
S32 : ▶/CH –
S33 : ▶▶/CH +
S34 : CD + 10
S35 : 1 – 12/13 – 24/TV ANT
S36 : BAND/DUAL
S37 : TV DISPLAY
S38 : CHANNEL +
S39 : CHANNEL –
S40 : 1
S41 : 2
S42 : 3
S43 : 4
S44 : 5
S45 : 6
S46 : 7
S47 : 8
S48 : 9
S49 : 0/10
S50 : 11/MEMORY
S51 : 12/CLEAR
S52 : TV FUNCTION
S53 : TV VOL +
S54 : TV VOL –
S55 : TEST TONE
S56 : CENTER MODE
S57 : PRO-LOGIC
S58 : MUTING
S61 : MASTER VOLUME +
S62 : MASTER VOLUME –
S63 : SURROUND VOLUME +
S64 : SURROUND VOLUME –

11. PANEL FACILITIES



* Illustration shows model RX-550.

GRAPHIC EQUALIZER SECTION

① GRAPHIC EQUALIZER controls

② SPECTRUM ANALYZER display

③ REMOTE SENSOR window

AMPLIFIER SECTION

④ SPEAKERS button (▀ A, ▬ A+B)

This is used to select the speaker through which you wish to listen.

▀ A :	When the speakers connected to A terminals are in use.
▬ A+B :	When the speakers connected to A and B terminals are in use. (There is no sound at this position when speakers are connected only to the A terminals.)

Be sure to use A terminals when you use one pair of speakers only. No sound will be heard through the speakers when only one pair of speakers are connected to B terminals.

⑤ PHONES jack

This is a "standard plug-type jack" for headphones.

NOTE:
Sound is not heard from the speakers when headphones are in use.

⑥ POWER (STANDBY/ON) switch and STANDBY/SLEEP indicator

This is the switch for electric power.

ON:	When set to the ON position, power is supplied and the unit becomes operational.
STANDBY:	When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness. When the STANDBY/SLEEP indicator is on, the unit is in STANDBY.

Disconnect the power cord from the power outlet when you do not plan to use the cassette deck receiver for a long period of time.

When the SLEEP button on the remote control unit is pressed, the sleep function is activated for approximately 60 minutes, then enters the standby mode. (The STANDBY/SLEEP indicator flashes faster as the end of the set time nears.)

> *The cassette deck receiver has a backup function, so it will return to the original status whenever the power cord is unplugged and then, after a short interval, plugged in again.*

⑦ TUNER FREQUENCY DISPLAY and FM MONO indicator

The FM MONO indicator lights when the FM MONO button is pressed to select monaural FM reception.

⑧ TUNED indicator and STEREO indicator

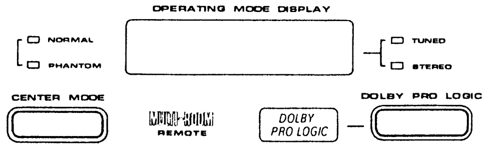
The TUNED indicator lights to indicate that a station has been optimally tuned in.
The STEREO indicator lights during FM stereo reception

⑨ Surround function button(s)/indicator

Surround playback is not possible with a monophonic sound source (no sound from rear speaker).

[Models RX-550, RX-551]
DOLBY SURROUND button/indicator
Press this button ON to play back in surround with sources marked with the DD DOLBY SURROUND.

[Models RX-750(S), RX-751, RX-1340]



DOLBY PRO LOGIC SURROUND button/indicator.
Press this button ON to play back in surround with sources marked with the DD DOLBY SURROUND.
CENTER MODE button/indicator
This button selects the surround center mode.
MULTI-ROOM indicator

⑩ FUNCTION buttons/indicators

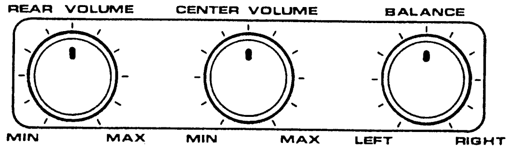
The indicators light for the specified functions.

⑪ VOLUME control/indicator

The volume is increased when this control is turned clockwise, decreased when turned counterclockwise. When operating with the remote control unit, the control automatically turns clockwise when "+" is pressed, counterclockwise when "−" is pressed, and the indicator on the VOLUME control flashes rapidly.
The indicator also flashes when the muting function is operated by the remote control unit.

⑫ Balance and volume control

[Models RX-550, RX-551]
BALANCE control
Use this control to adjust the left-right balance for the front speakers.
REAR volume control
Use this control to independently adjust the rear speaker system volume level for the optimum front-rear volume balance.
[Models RX-750(S), RX-751, RX-1340]



BALANCE control
Use this control to adjust the left-right balance for the front speakers.
REAR VOLUME control
Use this control to independently adjust the rear speaker system volume level for the optimum front-rear volume balance.
CENTER VOLUME control
Use this control to independently adjust the center speaker system volume level for the optimum center-front volume balance.

TUNER SECTION

⑬ MEMORY button

This button is used to memorize stations. When the button is pressed, the frequency indication will flash. To memorize the frequency of any station, press one of the STATION CALL buttons while the frequency indication is flashing.

⑭ BAND selector button (FM/AM)

This is used to select the band of the desired station. The bands change alternately each time the button is pressed.

→ FM reception
AM reception ←

⑮ FM MONO button

Normally, the FM MONO indicator remains off. However, it may not be possible to tune in a desired FM station because it is too far away or because its signals are too weak. In cases like these, press the button to set the reception to the monaural mode (FM MONO indicator lights) and tune in the station. The FM stereo broadcast will be heard in mono. This button will not function for AM reception. The FM MONO setting is memorized along with station frequency when presetting a station.

⑯ STATION CALL buttons

These are used to preset stations and to recall preset stations.

⑰ TUNING buttons (−, +)

These are used to locate stations. Push the "−" button to locate a station broadcasting on a lower frequency and the "+" button to locate a station broadcasting on a higher frequency.

CASSETTE DECK SECTION

- The cassette deck receiver is provided with an automatic tape selector function.

Deck I ············	TYPE Ⅰ (Normal)/TYPE Ⅱ (CrO$_2$)/TYPE Ⅳ (Metal)
Deck II ············	TYPE Ⅰ (Normal)/TYPE Ⅱ (CrO$_2$)

TYPE Ⅳ (Metal) tapes can only be used for playback in Deck II.

⑱ DOLBY NR indicator

⑲ Copy mode indicators

⑳ DECK II MODE indicators

REC (●) ························	Lights during recording
PAUSE (▮▮) ··················	Lights during the pause mode.

㉑ DECK I buttons

► (PLAY) ··················	Playback.
◄◄ (REW) ·····················	Rewind
►► (F.F.) ·····················	Fast forward
■/▲ (STOP/EJECT) ······	Stops tape travel. Ejects cassette if pressed when tape is stopped.

㉒ COPY MODE buttons

These buttons are used to select the copy mode.

HIGH ···············	High speed copying (double-speed, halftime copying)
NORMAL ·········	Normal speed copying

NOTE :
When the copy mode indicator is blinking (copy standby mode) the playback operation is not available for only DECK I or only DECK II, and the recording operation is not available for DECK II only.

㉓ DOLBY* NR button

Press to activate DOLBY NR system. Use to play back tapes recorded using Dolby B NR.

- Tapes recorded using Dolby B NR should always be played back with the noise reduction system on. Sound quality will be adversely affected if they are played back with the system off, or if tapes recorded using a different noise reduction system are played back with the Dolby B NR system on.
- It is recommended that tapes recorded using Dolby B NR be so marked on the label. This will help to prevent incorrect setting of the noise reduction button during playback.

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* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

㉔ DECK II PAUSE (▮▮) button

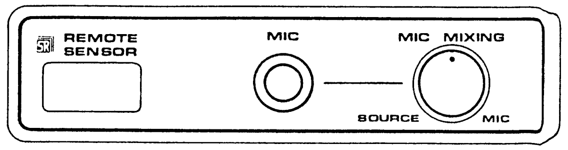
This button is used to temporarily stop the tape in deck II. The PAUSE indicator lights during the pause mode. The pause mode is cancelled when the button is pressed again. The PAUSE button will not function while copying a tape.

㉕ DECK II buttons

● (REC) ·····················	Set to the recording mode.
► (PLAY) ··················	Playback
◄◄ (REW) ·····················	Rewind
►► (F.F.) ·····················	Fast forward
■/▲ (STOP/EJECT) ······	Stops tape travel. Ejects cassette if pressed when tape is stopped.

㉖ MIC jack and MIC MIXING level control

(RX-1340 only)



12. SPECIFICATIONS

CASSETTE DECK RECEIVER

Amplifier Section

[RX-750(S)/RX-751/RX1340]

[Front]

Continuous Average Power Output is 110 watts* per channel, min., at 8 ohms from 20 Hertz to 20,000 Hertz with no more than 0.9% total harmonic distortion.**

Center (RMS)	20 W (1kHz, 5%, 8 Ω)
Rear (RMS)	10 W + 10 W (1kHz, 5%, 8 Ω)

[RX-550/RX-551]

[Front]

Continuous Average Power Output is 100 watts* per channel, min., at 8 ohms from 20 Hertz to 20,000 Hertz with no more than 0.9% total harmonic distortion.**

Rear (RMS)	10 W + 10 W (1kHz, 5%, 8 Ω)

Input (Sensitivity/impedance)	
PHONO MM	2.5 mV/47 kΩ
CD, VIDEO/AUX	150 mV/20 kΩ
MIC (RX-1340)	0.7 mV/10 kΩ
Frequency Response	
PHONO MM	20 Hz to 20,000 Hz ±2 dB
CD, VIDEO/AUX	20 Hz to 50,000 Hz ±3 dB
Signal-to-Noise Ratio (IHF, short-circuited, A network)	
PHONO MM	72 dB
CD, VIDEO/AUX	90 dB
Graphic Equalizer frequency band	
	100 Hz, 330 Hz, 1 kHz, 3.3 kHz, 10 kHz, ±8 dB

* *Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.*

** *Measured by Audio Spectrum Analyzer.*

FM Tuner Section

Frequency range	87.5 MHz to 108 MHz
Usable Sensitivity	14.2dBf, IHF (1.4 μV/75 ohms)
50 dB Quieting Sensitivity	Mono: 20 dBf (2.7 μV/75 ohms)
Signal-to-Noise Ratio (IHF, 85 dBf Input)	Mono: 70 dB Stereo: 67 dB
Stereo Separation	43 dB(1 kHz)
Frequency Response	$^{+1.0}_{-1.5}$ dB (20 Hz to 15 kHz)
Antenna Input	75Ω unbalanced 300Ω balanced

AM Tuner Section

Frequency range	
When 10 kHz step	530 kHz to 1,700 kHz
When 9 kHz step	531 kHz to 1,602 kHz
Sensitivity (IHF, Loop antenna)	385μV/m
Antenna	Loop Antenna

Cassette Tape Deck Section

Systems	4 track, 2-channel stereo
Heads	Recording/playback head × 1 Playback head × 1 Erasing head × 1
Motor	DC servo 2 speed motor × 2
Wow and Flutter	0.13% (WRMS)
Fast Winding Time	Approximately 105 seconds (C-60 tape)

Frequency Response	
−20 dB recording:	
TYPE I (Normal) tape	35 Hz to 14,000 Hz ±6 dB
TYPE II (CrO_2) tape	35 Hz to 15,000 Hz ±6 dB
Signal-to-Noise Ratio	
Dolby NR OFF	50 dB
Noise Reduction Effect	
Dolby B-type NR ON	More than 10 dB (at 5 kHz)

Miscellaneous

Power requirements	
U.S. and Canadian models	AC 120 V, 60Hz
Australian model	a.c. 240 Volts ∼ 50/60 Hz
Power Consumption	
U.S. and Canadian models	260 W, 350 VA
Australian model	640 W
Dimensions	420(W) × 350(H) × 303(D) mm 16-9/16(W) × 13-3/4(H) × 11-15/16(D) in
Weight (without package)	11kg (24 lb 5 oz)

Furnished Parts

FM Antenna	1
AM Loop Antenna	1
Operating Instructions	1
Remote control unit	1
Dry cell batteries	2
RX-750S:	
Operating instructions for the remote control unit	1

NOTE:
Specifications and design subject to possible modifications without notice due to improvements.

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Donot place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.